BRUHAT BANGALORE MAHANAGARA PALIKE

Excel Measurement Sheet For 1st and Final Bill

Name of Work: Construction of Gazebo, Watchman Shed, Pathway Improvement, Child Play Equipment and Other Development Works at Doddabommasandra Lake. Ward-10.

SL No	Description Of Work	No	Length	Bredth	Depth	Qty	Unit
	Pre-measurement Recorded on:						
1	De-silting tank bed/ Feeder channel in dry condition by excavating the deposited bed material and disposing off the same by stacking/formation of Embankment or as directed including cost of all machinery, labour etc., complete with lead up to 1 km and all lifts.(MI BCSR 2018-19.P-116,I-7.54.2)						
	Desilting						
	Wetland -2 Area		5000.00		1.0	5000.00	
	Average area Method V=((A1+A2)*L)/2						
	Chainage	**W**	**L**	**Area of cutting**		**Volume of cutting**	
	4790	10.00	0.00	0.90		0.00	
	4800	30.00	10.00	2.70		18.00	
	4810	50.00	10.00	4.50		36.00	
	4820	60.00	10.00	5.40		49.50	
	4830	80.00	10.00	7.20		63.00	
	4840	100.00	10.00	9.00		81.00	
	4850	100.00	10.00	9.25		91.25	
	4860	110.00	10.00	10.65		99.50	
	4870	120.00	10.00	12.05		113.50	
	4880	120.00	10.00	12.55		123.00	
	4890	130.00	10.00	13.95		132.50	
	4900	130.00	10.00	14.45		142.00	
	4910	140.00	10.00	16.10		152.75	
	4920	150.00	10.00	18.00		170.50	
	4930	150.00	10.00	19.00		185.00	
	4940	160.00	10.00	21.40		202.00	
	4950	150.00	10.00	20.50		209.50	
	4960	170.00	10.00	24.30		224.00	
	4970	160.00	10.00	23.40		238.50	
	4980	160.00	10.00	23.40		234.00	
	4990	170.00	10.00	25.30		243.50	
	5000	160.00	10.00	25.65		254.75	
	5010	160.00	10.00	26.15		259.00	
	5020	170.00	10.00	28.05		271.00	
	5030	160.00	10.00	26.65		273.50	
	5040	170.00	10.00	28.55		276.00	
	5050	160.00	10.00	27.15		278.50	
	5060	160.00	10.00	27.15		271.50	
	5070	150.00	10.00	25.75		264.50	
	5080	120.00	10.00	20.55		231.50	
	5090	60.00	10.00	9.15		148.50	
					Total	5337.75	
				Restricted		**5000.00**	Cum

Contractor | Consultant | Assistant Engineer, Lakes,BBMP | Asst Executive Engineer, Lakes ,BBMP

SL No	Description Of Work	No	Length	Bredth	Depth	Qty	Unit
	Pre-measurement Recorded on:						
2	Extra lead for dumping the removed quantity of Silt to specified dump yard for a distance of 17 km from lake, 17 km lead taken = (lead more than 4 km up to 5 km - initial lead + every km beyond 5 km up to 17 km) = (Rs.111.50-Rs.66.60)+(12 kmxRs.10.40) = Rs.169.70						
	Desilting						
	Total Lead take n is 17 km						
	(lead more than 4 km up to 5 km - initial lead + every km beyond 5 km up to 17 km) = (Rs.111.50-Rs.66.60)+(12 kmxRs.10.40) = Rs.169.70						
	Silt Quantity consider Item no :1					**5000.00**	
	Total					**5000.00**	Cum

Contractor Consultant Assistant Engineer Lakes,BBMP Asst Executive Engineer Lakes ,BBMP

	Pre-measurement Recorded on:						
3	Earthwork in surface excavation for levelling and lowering the ground manually (Other than foundation of buildings, culverts, road drains and trenches of pipe lines and cables) and removing the excavated stuff to a distance not exceeding 50m and lift up to 1.5m, excavated surface levelled and neatly dressed, disposed earth to be levelled including breaking of clods and neatly dressed as per specifications.ordinary soil						
	Pathway						
	B/W CH. 0& 6.24						
	(0.2+0)/2	1	6.24	4.20	0.100	2.62	
	B/W CH. 150 &158.5						
	(0+0.2)/2	1	6.75	4.20	0.100	2.84	
	B/W CH.190.4 & 212.90						
	(0+0.19)/2	1	22.50	4.20	0.095	8.98	
	B/W CH.212.90 & 227.9						
	(0.19+0.32)/2	1	15.00	4.20	0.255	16.07	
	B/W CH. 227.9 & 242.9						
	(0.32+0.26)/2	1	15.00	4.20	0.290	18.27	
	B/W CH.242.9 & 257.9						
	(0.26+0.143)/2	1	15.00	4.20	0.200	12.60	
	B/W CH. 257.9 & 287.9						
	(0.143+0)/2	1	15.00	4.20	0.071	4.47	
	B/W CH. 257.9 & 302.9						
	(0.143+0)/2	1	15.00	4.20	0.071	4.47	
	B/W CH, 302.9 & 317.9						
	(0+0.226)/2	1	15.00	4.20	0.113	7.12	
	B/W CH, 317.90 & 327.10						
	(0+0.226)/2	1	24.20	4.20	0.113	11.49	
	B/W CH. 327.10 & 342.10						
	(0+0.226)/2	1	15.00	4.20	0.113	7.12	
	B/W CH. 342.10 & 357.10						
	(0+0.226)/2	1	15.00	4.20	0.113	7.12	
	B/W CH. 407.24 & 432.10						
	(0+0.159)/2	1	24.86	4.20	0.080	8.30	
	Total					**111.46**	Cum

Contractor Consultant Assistant Engineer Lakes,BBMP Asst Executive Engineer Lakes ,BBMP

SL No	Description Of Work	No	Length	Bredth	Depth	Qty	Unit
	Pre-measurement Recorded on:						
3	Earthwork in surface excavation for levelling and lowering the ground manually (Other than foundation of buildings, culverts, road drains and trenches of pipe lines and cables) and removing the excavated stuff to a distance not exceeding 50m and lift up to 1.5m, excavated surface levelled and neatly dressed, disposed earth to be levelled including breaking of clods and neatly dressed as per specifications.ordinary soil						
	Pathway						
	B/W CH. 432.10 & 447.10						
	(0.159+0.2)/2	1	15.00	4.20	0.180	11.31	
	B/W CH.447.10 & 462.10						
	(0.2+0.143)/2	1	15.00	4.20	0.172	10.80	
	B/W CH.462.10 & 475.85						
	(0.143+0)/2	1	13.75	4.20	0.072	4.13	
	B/W CH.477.1 & 492.10						
	(0+0.14)/2	1	15.00	4.20	0.070	4.41	
	B/W CH.492.10 & 507.10						
	(0+0.14)/2	1	15.00	4.20	0.070	4.41	
	B/W CH.507.10 & 522.10						
	(0+0.14)/2	1	15.00	4.20	0.070	4.41	
	B/W CH.522.10 & 537.10						
	(0+0.14)/2	1	15.00	4.20	0.070	4.41	
	B/W CH. 537.10 & 560.30						
	(0.14+0)/2	1	36.00	4.20	0.070	10.58	
	B/W CH. 588.60 & 633.80						
	(0+0.089+0.047+0)/4	1	29.71	4.20	0.034	4.24	
	B/W CH. 678.8 & 693.8						
	(0+0.09+0.053+0)/4	1	15.00	4.20	0.036	2.25	
	B/W CH. 693.8 & 719.22						
	(0+0.09+0.053+0)/4	1	25.42	4.20	0.036	3.82	
	B/W CH. 753.8 & 798.80						
	(0+0.087+0.03+0)/4	1	27.94	4.20	0.029	3.43	
	B/W CH. 813.80 & 844.80						
	(0+0.2)/2	1	17.57	4.20	0.100	7.38	
	Total					**75.59**	Cum

Contractor | Consultant | Assistant Engineer Lakes,BBMP | Asst Executive Engineer Lakes ,BBMP

SL No	Description Of Work	No	Length	Bredth	Depth	Qty	Unit
	Pre-measurement Recorded on:						
3	Earthwork in surface excavation for levelling and lowering the ground manually (Other than foundation of buildings, culverts, road drains and trenches of pipe lines and cables) and removing the excavated stuff to a distance not exceeding 50m and lift up to 1.5m, excavated surface levelled and neatly dressed, disposed earth to be levelled including breaking of clods and neatly dressed as per specifications.ordinary soil						
	Pathway						
	B/W CH. 854.50 & 870.00						
	(0.2+0.121)/2	1	15.58	4.20	0.161	10.50	
	B/W CH.900.0 & 930.0						
	(0+0.135+0)/3	1	25.82	4.20	0.045	4.88	
	B/W CH.945.0 - 975.00						
	(0+0.05+0.216)/3	1	20.79	4.20	0.089	7.74	
	B/W CH.975.00 & 990.0						
	(0.216+0.327)/2	1	15.00	4.20	0.272	17.10	
	B/W CH.990.0 & 1005.00						
	(0.327+0.33)/2	1	15.00	4.20	0.329	20.70	
	B/W CH.1005.00 & 1020.00						
	(0.33+0.371)/2	1	15.00	4.20	0.351	22.08	
	B/W CH.1020.00 & 1035.00						
	(0.371+0.394)/2	1	15.00	4.20	0.383	24.10	
	B/W CH.1035.00 & 1050.00						
	(0.394+0.492)/2	1	15.00	4.20	0.443	27.91	
	B/W CH.1050.00 & 1065.00						
	(0.492+0.567)/2	1	15.00	4.20	0.530	33.36	
	B/W CH.1065.00 & 1080.00						
	(0.567+0.624)/2	1	15.00	4.20	0.596	37.55	
	B/W CH. 1080.00 & 1095.00						
	(0.624+0.594)/2	1	15.00	4.20	0.609	38.37	
	B/W CH. 1095.00 & 1110.00						
	(0.594+0.453)/2	1	15.00	4.20	0.524	33.01	
	B/W CH.1110.00 & 1125.00						
	(0.453+0.109)/2	1	15.00	4.20	0.281	17.70	
	B/W CH.1125.00 & 1140.00						
	(0.109+0.06)/2	1	15.00	4.20	0.085	5.32	
	Total					**300.32**	Cum

Contractor | Consultant | Assistant Engineer Lakes,BBMP | Asst Executive Engineer Lakes ,BBMP

SL No	Description Of Work	No	Length	Bredth	Depth	Qty	Unit
	Pre-measurement Recorded on:						
3	Earthwork in surface excavation for levelling and lowering the ground manually (Other than foundation of buildings, culverts, road drains and trenches of pipe lines and cables) and removing the excavated stuff to a distance not exceeding 50m and lift up to 1.5m, excavated surface levelled and neatly dressed, disposed earth to be levelled including breaking of clods and neatly dressed as per specifications.ordinary soil						
	Pathway						
	MAIN GATE						
	B/W CH.1635.00 & 1710.00						
	(0+0.141+0.05+0.04+0.026+0)/6	1	15.00	4.20	0.043	2.70	
		1	15.00	4.20	0.043	2.70	
		1	15.00	4.20	0.043	2.70	
		1	15.60	4.20	0.043	2.81	
	B/W CH.1740.00 & 1800						
	(0+0.025+0.026+0.05+0.108)/5	1	15.00	4.20	0.042	2.63	
		1	15.00	4.20	0.042	2.63	
		1	15.00	4.20	0.042	2.63	
		1	12.93	4.20	0.042	2.27	
	B/W CH.1800.00 & 1830.00						
	(0.108+0.039+0.038)/3	1	15.00	4.20	0.062	3.89	
		1	15.00	4.20	0.062	3.89	
		1	15.00	4.20	0.062	3.89	
		1	12.93	4.20	0.062	3.35	
	B/W CH.1830.00 & 1890.00						
	(0.038+0.044+0.074+0.077+0.123)/5	1	15.00	4.20	0.071	4.49	
		1	15.00	4.20	0.071	4.49	
		1	15.00	4.20	0.071	4.49	
		1	15.00	4.20	0.071	4.49	
	Total					**54.02**	Cum

Contractor | Consultant | Assistant Engineer Lakes,BBMP | Asst Executive Engineer Lakes,BBMP

SL No	Description Of Work	No	Length	Bredth	Depth	Qty	Unit
	Pre-measurement Recorded on:						
3	Earthwork in surface excavation for levelling and lowering the ground manually (Other than foundation of buildings, culverts, road drains and trenches of pipe lines and cables) and removing the excavated stuff to a distance not exceeding 50m and lift up to 1.5m, excavated surface levelled and neatly dressed, disposed earth to be levelled including breaking of clods and neatly dressed as per specifications.ordinary soil						
	Pathway						
	B/W CH.1890.00 &1905.0						
	(0.123+0.109)/2	1	15.00	4.20	0.116	7.31	
	B/W CH.1920.00 &1950.00						
	(0.144+0.160+0)/3	1	25.39	4.20	0.101	10.81	
	B/W CH.1965.00 & 2010.00						
	(0+0.129+0.094+0)/4	1	48.81	4.20	0.056	11.43	
	B/W CH.2145.00 & 2160.00						
	(0+0.2)/2	1	15.00	4.20	0.100	6.30	
	B/W CH.2160.00 & 2175.00						
	(0.2+0.07)/2	1	15.00	4.20	0.135	8.51	
	B/W CH.2175.00 & 2190.00						
	(0.07+0)/2	1	15.00	4.20	0.035	2.21	
	B/W CH.2385.00 & 2400.00						
	(0+0.282)/2	1	11.53	4.20	0.141	6.83	
	B/W CH.2400.00 & 2415.00						
	(0.282+0.376)/2	1	15.00	4.20	0.329	20.73	
	B/W CH.2415.00 & 2430.00						
	(0.376+0.446)/2	1	15.00	4.20	0.411	25.89	
	B/W CH.2430.00 & 2445.00						
	(0.446+0.501)/2	1	15.00	4.20	0.474	29.83	
	B/W CH.2445.00 & 2460.00						
	(0.501+0.467)/2	1	15.00	4.20	0.484	30.49	
	B/W CH.2460.00 & 2475.00						
	(0.467+0.613)/2	1	15.00	4.20	0.540	34.02	
	B/W CH.2475.00 & 2490.00						
	(0.613+0.452)/2	1	15.00	4.20	0.533	33.55	
	B/W CH.2490.00 & 2505.00						
	(0.452+0.473)/2	1	15.00	4.20	0.533	33.55	
	Total					**261.44**	Cum

Contractor | Consultant | Assistant Engineer Lakes,BBMP | Asst Executive Engineer Lakes ,BBMP

SL No	Description Of Work	No	Length	Bredth	Depth	Qty	Unit
	Pre-measurement Recorded on:						
3	Earthwork in surface excavation for levelling and lowering the ground manually (Other than foundation of buildings, culverts, road drains and trenches of pipe lines and cables) and removing the excavated stuff to a distance not exceeding 50m and lift up to 1.5m, excavated surface levelled and neatly dressed, disposed earth to be levelled including breaking of clods and neatly dressed as per specifications.ordinary soil						
	Pathway						
	B/W CH.2505.00 & 2520.00						
	(0.473+0.473)/2	1	15.00	4.20	0.473	29.80	
	B/W CH.2520.00 & 2535.00						
	(0.473+0.455)/2	1	15.00	4.20	0.464	29.23	
	B/W CH.2535.00 & 2550.00						
	(0.455+0.413)/2	1	15.00	4.20	0.434	27.34	
	B/W CH.2550.00 & 2565.00						
	(0.413+0.429)/2	1	15.00	4.20	0.421	26.52	
	B/W CH.2565.00 & 2580.00						
	(0.429+0.459)/2	1	15.00	4.20	0.444	27.97	
	B/W CH. 2580.00 & 2595.00						
	(0.459+0.42)/2	1	15.00	4.20	0.440	27.69	
	B/W CH. 2595.00 & 2610.00						
	(0.42+0.386)/2	1	15.00	4.20	0.403	25.39	
	B/W CH. 2610.00 & 2625.00						
	(0.386+0.368)/2	1	15.00	4.20	0.377	23.75	
	B/W CH. 2625.00 & 2640.00						
	(0.368+0.344)/2	1	15.00	4.20	0.356	22.43	
	B/W CH. 2640.00 & 2655.00						
	(0.344+0.384)/2	1	15.00	4.20	0.364	22.93	
	B/W CH. 2655.00 & 2670.00						
	(0.384+0.394)/2	1	15.00	4.20	0.389	24.51	
	B/W CH. 2670.00 & 2685.00						
	(0.394+0.354)/2	1	15.00	4.20	0.374	23.56	
	Total					**311.13**	Cum

Contractor | Consultant | Assistant Engineer Lakes,BBMP | Asst Executive Engineer Lakes ,BBMP

	Pre-measurement Recorded on:						
3	Earthwork in surface excavation for levelling and lowering the ground manually (Other than foundation of buildings, culverts, road drains and trenches of pipe lines and cables) and removing the excavated stuff to a distance not exceeding 50m and lift up to 1.5m, excavated surface levelled and neatly dressed, disposed earth to be levelled including breaking of clods and neatly dressed as per specifications.ordinary soil						
	Pathway						
	B/W CH. 2685.00 & 2700.00						
	(0.354+0.353)/2	1	15.00	4.20	0.354	22.27	
	B/W CH. 2700.00 & 2715.00						
	(0.353+0.351)/2	1	15.00	4.20	0.352	22.18	
	B/W CH. 2715.00 & 2730.00						
	(0.351+0.346)/2	1	15.00	4.20	0.349	21.96	
	B/W CH. 2730.00 & 2745.00						
	(0.346+0.288)/2	1	15.00	4.20	0.317	19.97	
	B/W CH. 2745.00 & 2760.00						
	(0.288+0.252)/2	1	15.00	4.20	0.270	17.01	
	B/W CH. 2760.00 & 2775.00						
	(0.252+0.224)/2	1	15.00	4.20	0.238	14.99	
	B/W CH. 2775.00 & 2780.00						
	(0.224+0.2)/2	1	5.00	4.20	0.212	4.45	
	Total					**122.83**	Cum

Contractor | Consultant | Assistant Engineer Lakes,BBMP | Asst Executive Engineer Lakes ,BBMP

SL No	Description Of Work	No	Length	Bredth	Depth	Qty	Unit
	Pre-measurement Recorded on:						
3	Earthwork in surface excavation for levelling and lowering the ground manually (Other than foundation of buildings, culverts, road drains and trenches of pipe lines and cables) and removing the excavated stuff to a distance not exceeding 50m and lift up to 1.5m, excavated surface levelled and neatly dressed, disposed earth to be levelled including breaking of clods and neatly dressed as per specifications.ordinary soil						
	Pathway						
	B/W CH. 0.00 & 15.00 **(For Concrete)**						
		1	2.50	4.20	0.100	1.05	
	B/W CH. 0.00 & 15.00 (For Concrete)						
		1	2.50	4.20	0.100	1.05	
	B/W CH. 150.0 & 158.0 (For Concrete)						
		1	2.00	4.20	0.100	0.84	
	B/W CH. 167.90 & 182.90 (For Concrete)						
		1	2.50	4.20	0.100	1.05	
	B/W CH. 813.8 & 844.80 (For Concrete)						
		1	3.40	4.20	0.100	1.43	
	B/W CH. 854.5 & 870.0 (For Concrete)						
		1	3.50	4.20	0.100	1.47	
	B/W CH.2775 & 2780.0 (For Concrete)						
		1	2.50	4.20	0.100	1.05	
	Total					**7.94**	Cum

Contractor Consultant Assistant Engineer Lakes,BBMP Asst Executive Engineer Lakes ,BBMP

	Pre-measurement Recorded on:						
3	Earthwork in surface excavation for levelling and lowering the ground manually (Other than foundation of buildings, culverts, road drains and trenches of pipe lines and cables) and removing the excavated stuff to a distance not exceeding 50m and lift up to 1.5m, excavated surface levelled and neatly dressed, disposed earth to be levelled including breaking of clods and neatly dressed as per specifications.ordinary soil						
	For Kerb						
	Park side-North Side Corner	1	30.00	0.30	0.300	2.70	
		1	30.00	0.30	0.300	2.70	
	Near Kalyani	1	30.00	0.30	0.300	2.70	
		1	30.00	0.30	0.300	2.70	
		1	30.00	0.30	0.300	2.70	
		1	30.00	0.30	0.300	2.70	
		1	30.00	0.30	0.300	2.70	
	Near Labour Quarters	1	30.00	0.30	0.300	2.70	
		1	30.00	0.30	0.300	2.70	
		1	30.00	0.30	0.300	2.70	
		1	15.00	0.30	0.300	1.35	
	Total					**28.35**	Cum

Contractor Consultant Assistant Engineer Lakes,BBMP Asst Executive Engineer Lakes ,BBMP

SL No	Description Of Work	No	Length	Bredth	Depth	Qty	Unit
	Pre-measurement Recorded on:						
3	Earthwork in surface excavation for levelling and lowering the ground manually (Other than foundation of buildings, culverts, road drains and trenches of pipe lines and cables) and removing the excavated stuff to a distance not exceeding 50m and lift up to 1.5m, excavated surface levelled and neatly dressed, disposed earth to be levelled including breaking of clods and neatly dressed as per specifications.ordinary soil						
	Near Kalyani- Outer Edge	1	30.00	0.30	0.300	2.70	
		1	30.00	0.30	0.300	2.70	
		1	19.00	0.30	0.300	1.71	
	Inner Edge	1	30.00	0.30	0.300	2.70	
		1	30.00	0.30	0.300	2.70	
		1	15.00	0.30	0.300	1.35	
	Near Children Play Area-Outer Edge	1	30.00	0.30	0.300	2.70	
		1	30.00	0.30	0.300	2.70	
		1	19.00	0.30	0.300	1.71	
	Inner Egde	1	30.00	0.30	0.300	2.70	
		1	30.00	0.30	0.300	2.70	
		1	15.00	0.30	0.300	1.35	
	Lake Side-North Side Corner	1	30.00	0.30	0.300	2.70	
		1	30.00	0.30	0.300	2.70	
		1	30.00	0.30	0.300	2.70	
	Near Kalyani	1	30.00	0.30	0.300	2.70	
		1	30.00	0.30	0.300	2.70	
		1	30.00	0.30	0.300	2.70	
		1	30.00	0.30	0.300	2.70	
		1	30.00	0.30	0.300	2.70	
	Near Labour Quarters	1	30.00	0.30	0.300	2.70	
		1	30.00	0.30	0.300	2.70	
	South Corner	1	23.00	0.30	0.300	2.07	
	Total					**56.79**	Cum

Contractor Consultant Assistant Engineer Lakes,BBMP Asst Executive Engineer Lakes ,BBMP

	Pre-measurement Recorded on:						
3	Earthwork in surface excavation for levelling and lowering the ground manually (Other than foundation of buildings, culverts, road drains and trenches of pipe lines and cables) and removing the excavated stuff to a distance not exceeding 50m and lift up to 1.5m, excavated surface levelled and neatly dressed, disposed earth to be levelled including breaking of clods and neatly dressed as per specifications.ordinary soil						
	Near Main entrance-Towards North	1	30.00	0.30	0.300	2.70	
		1	30.00	0.30	0.300	2.70	
		1	20.00	0.30	0.300	1.80	
	Towards South	1	30.00	0.30	0.300	2.70	
		1	30.00	0.30	0.300	2.70	
	for side drains						
	B/W CH. 0.00 & 180.00	9	2.20	0.50	0.200	1.98	
	B/W CH. 180.00 & 300.00	6	2.20	0.50	0.200	1.32	
	B/W CH. 300.00 & 480.00	9	2.20	0.50	0.200	1.98	
	B/W CH. 480.00 & 780.00	15	2.20	0.50	0.200	3.30	
	B/W CH. 780.00 & 1100.00	16	2.20	0.50	0.200	3.52	
	B/W CH. 1100.00 & 1260.00	6	2.20	0.50	0.200	1.32	
	near kalyani						
	B/W CH. 450.00 & 90.00	15	2.20	0.50	0.200	3.30	
	B/W CH. 1750.00 & 2200.00	22	2.20	0.50	0.200	4.84	
	B/W CH. 2400.00 & 2700	20	2.20	0.50	0.200	4.40	
	Total					**38.56**	Cum

Contractor Consultant Assistant Engineer Lakes,BBMP Asst Executive Engineer Lakes ,BBMP

SL No	Description Of Work	No	Length	Bredth	Depth	Qty	Unit
	Pre-measurement Recorded on:						
27	Providing and Filling in foundation with granite/trap broken metal 100 mm and down size, with approved sand including hand packing, ramming, watering, including cost of all materials and labour with all lead and lift. complete as per specifications (PWD BCSR 2018-19,P-6,I-2.15)						
	Chamber	3	1.00	1.00	0.15	0.45	
	Total					**0.45**	Cum

Contractor | Consultant | Assistant Engineer Lakes,BBMP | Asst Executive Engineer Lakes ,BBMP

	Pre-measurement Recorded on:						
17	KSRB 2-2 : Earthwork excavation by manual means for foundation of buildings, water supply and sanitary lines and electrical conduits etc, either in pits or in trenches 1.5m and above in width, in soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. including breaking of clods complete as per specifications.						
	Hume Pipe						
	Chamber	3	1.00	1.00	0.95	2.85	
	Pipe line	3	10.00	0.60	0.85	15.30	
	Plumbing-Labour Quators						
	Water line	1	275.00	0.30	0.30	24.75	
	Sanitary line	1	80.00	0.30	0.45	10.80	
	Total					**53.70**	Cum

Contractor | Consultant | Assistant Engineer Lakes,BBMP | Asst Executive Engineer Lakes ,BBMP

	Pre-measurement Recorded on:						
4	Providing and laying in position Plain Cement Concrete of mix 1:3:6 with OPC cement @ 220kgs ,with 40mm and down size graded granite metal coarse aggregates @ 0 .892 cum and fine aggregates @ 0.465cum machine mixed, concrete laid in layers not exceeding 15 cms thick, well compacted, in foundation including cost of all materials,labour, HOM of machinery ,curing complete as per specifications.						
	Pathway						
	Pre-measurement Recorded on: 13/12/2022						
	B/W CH. 0.00 & 15.00 (For Concrete)						
		1	2.50	4.20	0.150	1.58	
	B/W CH. 0.00 & 15.00 (For Concrete)						
		1	2.50	4.20	0.150	1.58	
	B/W CH. 150.0 & 158.0 (For Concrete)						
		1	2.00	4.20	0.150	1.26	
	B/W CH. 167.90 & 182.90 (For Concrete)						
		1	2.50	4.20	0.150	1.58	
	Total					**5.99**	Cum

Contractor | Consultant | Assistant Engineer Lakes,BBMP | Asst Executive Engineer Lakes ,BBMP

SL No	Description Of Work	No	Length	Bredth	Depth	Qty	Unit
4	Providing and laying in position Plain Cement Concrete of mix 1:3:6 with OPC cement @ 220kgs ,with 40mm and down size graded granite metal coarse aggregates @ 0 .892 cum and fine aggregates @ 0.465cum machine mixed, concrete laid in layers not exceeding 15 cms thick, well compacted, in foundation including cost of all materials,labour, HOM of machinery ,curing complete as per specifications.						
	Pre-measurement Recorded on: 17/12/2022						
	B/W CH. 813.8 & 844.80 (For Concrete)						
		1	3.40	4.20	0.150	2.14	
	B/W CH. 854.5 & 870.0 (For Concrete)						
		1	3.50	4.20	0.150	2.21	
	B/W CH.2775 & 2780.0 (For Concrete)						
		1	2.50	4.20	0.150	1.58	
	Total					**5.92**	Cum

Contractor | Consultant | Assistant Engineer, Lakes,BBMP | Asst Executive Engineer, Lakes ,BBMP

SL No	Description Of Work	No	Length	Bredth	Depth	Qty	Unit
4	Providing and laying in position Plain Cement Concrete of mix 1:3:6 with OPC cement @ 220kgs ,with 40mm and down size graded granite metal coarse aggregates @ 0 .892 cum and fine aggregates @ 0.465cum machine mixed, concrete laid in layers not exceeding 15 cms thick, well compacted, in foundation including cost of all materials,labour, HOM of machinery ,curing complete as per specifications.						
	Pre-measurement Recorded on: 26/05/2022						
	For Kerb						
	Park side-North Side Corner	1	30.00	0.30	0.100	0.90	
		1	30.00	0.30	0.100	0.90	
	Near Kalyani	1	30.00	0.30	0.100	0.90	
		1	30.00	0.30	0.100	0.90	
		1	30.00	0.30	0.100	0.90	
		1	30.00	0.30	0.100	0.90	
		1	30.00	0.30	0.100	0.90	
	Near Labour Quarters	1	30.00	0.30	0.100	0.90	
		1	30.00	0.30	0.100	0.90	
		1	30.00	0.30	0.100	0.90	
		1	15.00	0.30	0.100	0.45	
	Total					**9.45**	Cum

Contractor | Consultant | Assistant Engineer, Lakes,BBMP | Asst Executive Engineer, Lakes ,BBMP

SL No	Description Of Work	No	Length	Bredth	Depth	Qty	Unit
4	Providing and laying in position Plain Cement Concrete of mix 1:3:6 with OPC cement @ 220kgs ,with 40mm and down size graded granite metal coarse aggregates @ 0 .892 cum and fine aggregates @ 0.465cum machine mixed, concrete laid in layers not exceeding 15 cms thick, well compacted, in foundation including cost of all materials,labour, HOM of machinery ,curing complete as per specifications.						
	Near Kalyani- Outer Edge	1	30.00	0.30	0.100	0.90	
		1	30.00	0.30	0.100	0.90	
		1	19.00	0.30	0.100	0.57	
	Inner Edge	1	30.00	0.30	0.100	0.90	
		1	30.00	0.30	0.100	0.90	
		1	15.00	0.30	0.100	0.45	
	Total					**4.62**	Cum

Contractor | Consultant | Assistant Engineer, Lakes,BBMP | Asst Executive Engineer, Lakes ,BBMP

SL No	Description Of Work	No	Length	Bredth	Depth	Qty	Unit
4	Providing and laying in position Plain Cement Concrete of mix 1:3:6 with OPC cement @ 220kgs ,with 40mm and down size graded granite metal coarse aggregates @ 0 .892 cum and fine aggregates @ 0.465cum machine mixed, concrete laid in layers not exceeding 15 cms thick, well compacted, in foundation including cost of all materials,labour, HOM of machinery ,curing complete as per specifications.						
	Near Children Play Area-Outer Edge	1	30.00	0.30	0.100	0.90	
		1	30.00	0.30	0.100	0.90	
		1	19.00	0.30	0.100	0.57	
	Inner Egde	1	30.00	0.30	0.100	0.90	
		1	30.00	0.30	0.100	0.90	
		1	15.00	0.30	0.100	0.45	
	Total					**4.62**	Cum

Contractor Consultant Assistant Engineer Lakes,BBMP Asst Executive Engineer Lakes ,BBMP

4	Providing and laying in position Plain Cement Concrete of mix 1:3:6 with OPC cement @ 220kgs ,with 40mm and down size graded granite metal coarse aggregates @ 0 .892 cum and fine aggregates @ 0.465cum machine mixed, concrete laid in layers not exceeding 15 cms thick, well compacted, in foundation including cost of all materials,labour, HOM of machinery ,curing complete as per specifications.						
	Lake Side-North Side Corner	1	30.00	0.30	0.100	0.90	
		1	30.00	0.30	0.100	0.90	
		1	30.00	0.30	0.100	0.90	
	Near Kalyani	1	30.00	0.30	0.100	0.90	
		1	30.00	0.30	0.100	0.90	
		1	30.00	0.30	0.100	0.90	
		1	30.00	0.30	0.100	0.90	
		1	30.00	0.30	0.100	0.90	
	Near Labour Quarters	1	30.00	0.30	0.100	0.90	
		1	30.00	0.30	0.100	0.90	
	South Corner	1	23.00	0.30	0.100	0.69	
	Total					**9.69**	Cum

Contractor Consultant Assistant Engineer Lakes,BBMP Asst Executive Engineer Lakes ,BBMP

4	Providing and laying in position Plain Cement Concrete of mix 1:3:6 with OPC cement @ 220kgs ,with 40mm and down size graded granite metal coarse aggregates @ 0 .892 cum and fine aggregates @ 0.465cum machine mixed, concrete laid in layers not exceeding 15 cms thick, well compacted, in foundation including cost of all materials,labour, HOM of machinery ,curing complete as per specifications.						
	Near Main entrance-Towards North	1	30.00	0.30	0.100	0.90	
		1	30.00	0.30	0.100	0.90	
		1	20.00	0.30	0.100	0.60	
	Towards South	1	30.00	0.30	0.100	0.90	
		1	30.00	0.30	0.100	0.90	
	Total					**4.20**	Cum

Contractor Consultant Assistant Engineer Lakes,BBMP Asst Executive Engineer Lakes ,BBMP

SL No	Description Of Work	No	Length	Bredth	Depth	Qty	Unit
4	Providing and laying in position Plain Cement Concrete of mix 1:3:6 with OPC cement @ 220kgs ,with 40mm and down size graded granite metal coarse aggregates @ 0 .892 cum and fine aggregates @ 0.465cum machine mixed, concrete laid in layers not exceeding 15 cms thick, well compacted, in foundation including cost of all materials,labour, HOM of machinery ,curing complete as per specifications.						
	Pre-measurement Recorded on: 07/11/22						
	for side drains						
	B/W CH. 0.00 & 180.00	9	2.20	0.50	0.100	0.99	
	B/W CH. 180.00 & 300.00	6	2.20	0.50	0.100	0.66	
	B/W CH. 300.00 & 480.00	9	2.20	0.50	0.100	0.99	
	B/W CH. 480.00 & 780.00	15	2.20	0.50	0.100	1.65	
	Total					**4.29**	Cum

Contractor | Consultant | Assistant Engineer Lakes,BBMP | Asst Executive Engineer Lakes ,BBMP

	Pre-measurement Recorded on: 10/11/22						
4	Providing and laying in position Plain Cement Concrete of mix 1:3:6 with OPC cement @ 220kgs ,with 40mm and down size graded granite metal coarse aggregates @ 0 .892 cum and fine aggregates @ 0.465cum machine mixed, concrete laid in layers not exceeding 15 cms thick, well compacted, in foundation including cost of all materials,labour, HOM of machinery ,curing complete as per specifications.						
	B/W CH. 780.00 & 1100.00	16	2.20	0.50	0.100	1.76	
	B/W CH. 1100.00 & 1260.00	6	2.20	0.50	0.100	0.66	
	Total					**2.42**	Cum

Contractor | Consultant | Assistant Engineer Lakes,BBMP | Asst Executive Engineer Lakes ,BBMP

	Pre-measurement Recorded on: 07/11/22						
4	Providing and laying in position Plain Cement Concrete of mix 1:3:6 with OPC cement @ 220kgs ,with 40mm and down size graded granite metal coarse aggregates @ 0 .892 cum and fine aggregates @ 0.465cum machine mixed, concrete laid in layers not exceeding 15 cms thick, well compacted, in foundation including cost of all materials,labour, HOM of machinery ,curing complete as per specifications.						
	near kalyani						
	B/W CH. 450.00 & 90.00	15	2.20	0.50	0.100	1.65	
	B/W CH. 1750.00 & 2200.00	22	2.20	0.50	0.100	2.42	
	B/W CH. 2400.00 & 2700	20	2.20	0.50	0.100	2.20	
	Total					**6.27**	Cum

Contractor | Consultant | Assistant Engineer Lakes,BBMP | Asst Executive Engineer Lakes ,BBMP

SL No	Description Of Work	No	Length	Bredth	Depth	Qty	Unit
4	Providing and laying in position Plain Cement Concrete of mix 1:3:6 with OPC cement @ 220kgs ,with 40mm and down size graded granite metal coarse aggregates @ 0 .892 cum and fine aggregates @ 0.465cum machine mixed, concrete laid in layers not exceeding 15 cms thick, well compacted, in foundation including cost of all materials,labour, HOM of machinery ,curing complete as per specifications.						
	Hume Pipe						
	Chamber	3	1.00	1.00	0.100	0.30	
	Pipe Line	3	10.00	0.60	0.100	1.80	
	Total					**2.10**	Cum

Contractor | Consultant | Assistant Engineer Lakes,BBMP | Asst Executive Engineer Lakes ,BBMP

	Pre-measurement Recorded on:						
5	Providing and laying in position Plain Cement Concrete of mix 1:3:6 with OPC cement @ 220kgs ,with 40mm and down size graded granite metal coarse aggregates @ 0 .892 cum and fine aggregates @ 0.465cum machine mixed, concrete laid in layers not exceeding 15 cms thick, well compacted, in foundation including cost of all materials,labour, HOM of machinery ,curing complete as per specifications.						
	Labour Quarters						
		1	14.59	1.20	0.10	1.75	
		1	11.96	1.20	0.10	1.44	
		3	4.36	1.20	0.10	1.57	
		1	4.06	1.20	0.10	0.49	
		2	1.43	1.20	0.10	0.34	
	Total					**5.59**	Cum

Contractor | Consultant | Assistant Engineer Lakes,BBMP | Asst Executive Engineer Lakes ,BBMP

	Pre-measurement Recorded on:						
5	Providing and laying in position Plain Cement Concrete of mix 1:3:6 with OPC cement @ 220kgs ,with 40mm and down size graded granite metal coarse aggregates @ 0 .892 cum and fine aggregates @ 0.465cum machine mixed, concrete laid in layers not exceeding 15 cms thick, well compacted, in foundation including cost of all materials,labour, HOM of machinery ,curing complete as per specifications.						
	Flooring	2	5.23	5.41	0.10	5.66	
		1	2.48	1.58	0.10	0.39	
		1	2.33	1.24	0.10	0.29	
		1	1.14	1.04	0.10	0.12	
		1	1.14	1.04	0.10	0.12	
	Total					**6.58**	Cum

Contractor | Consultant | Assistant Engineer Lakes,BBMP | Asst Executive Engineer Lakes ,BBMP

SL No	Description Of Work	No	Length	Bredth	Depth	Qty	Unit
	Pre-measurement Recorded on:						
8	Providing and laying in position reinforced cement concrete of Design Mix M25 with OPC @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70 cum and fine aggregtes @ 0.47cum, with super plasticisers @ 3 liters confirming to IS 9103-1999 reafirmed-2008 at machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation for footings, pedastals, retaining walls, return walls, walls (any thickness) including attached pilasters, columns pillars, posts, struts, buttresses, bed blocks, anchor blocks & plinths etc., including cost of all materials,labour, HOM curing, complete but excluding cost of reinforcement as per specifications.						
	Labour Quarters						
	Footing						
		1	14.59	1.20	0.30	5.25	
		1	11.96	1.20	0.30	4.31	
		3	4.36	1.20	0.30	4.71	
		1	4.06	1.20	0.30	1.46	
		2	1.43	1.20	0.30	1.03	
	Total					**16.76**	Cum

Contractor | Consultant | Assistant Engineer Lakes,BBMP | Asst Executive Engineer Lakes ,BBMP

14	Providing and fixing Pre cast solid concrete kerb stones made out of CC 1:2:4 and finished with CM 1:3 plastering and finishing cutting etc., complete. 450X200X400						
	Pathway-Kerb						
	Park side-North Side Corner	1	30.00			67.00	
	1 NO kerb Size c/c = 0.45	1	30.00			67.00	
	30 M / 0.45 = 67 NOS Near Kalyani	1	30.00			67.00	
		1	30.00			67.00	
		1	30.00			67.00	
		1	30.00			67.00	
		1	30.00			67.00	
	Total					**469.00**	Nos.

Contractor | Consultant | Assistant Engineer Lakes,BBMP | Asst Executive Engineer Lakes ,BBMP

14	Providing and fixing Pre cast solid concrete kerb stones made out of CC 1:2:4 and finished with CM 1:3 plastering and finishing cutting etc., complete. 450X200X400						
	Near Labour Quarters	1	30.00			67.00	
	1 NO Kerb dia 0.45	1	30.00			67.00	
	30 M / 0.45 = 67 NOS	1	30.00			67.00	
		1	15.00			34.00	
	Near Kalyani- Outer Edge	1	30.00			67.00	
		1	30.00			67.00	
		1	19.00			43.00	
	Inner Edge	1	30.00			67.00	
		1	30.00			67.00	
		1	15.00			34.00	
	Total					**589.00**	Nos.

Contractor | Consultant | Assistant Engineer Lakes,BBMP | Asst Executive Engineer Lakes ,BBMP

SL No	Description Of Work	No	Length	Bredth	Depth	Qty	Unit
14	Providing and fixing Pre cast solid concrete kerb stones made out of CC 1:2:4 and finished with CM 1:3 plastering and finishing cutting etc., complete. 450X200X400						
	Near Children Play Area-Outer Edge	1	30.00			67.00	
		1	30.00			67.00	
		1	19.00			43.00	
	Inner Egde	1	30.00			67.00	
		1	30.00			67.00	
		1	15.00			34.00	
	Total					**345.00**	Nos.

Contractor Consultant Assistant Engineer Lakes,BBMP Asst Executive Engineer Lakes ,BBMP

14	Providing and fixing Pre cast solid concrete kerb stones made out of CC 1:2:4 and finished with CM 1:3 plastering and finishing cutting etc., complete. 450X200X400						
	Lake Side-North Side Corner	1	30.00			67.00	
		1	30.00			67.00	
		1	30.00			67.00	
	Near Kalyani	1	30.00			67.00	
		1	30.00			67.00	
		1	30.00			67.00	
		1	30.00			67.00	
		1	30.00			67.00	
	Near Labour Quarters	1	30.00			67.00	
		1	30.00			67.00	
	South Corner	1	23.00			52.00	
	Total					**722.00**	Nos.

Contractor Consultant Assistant Engineer Lakes,BBMP Asst Executive Engineer Lakes ,BBMP

14	Providing and fixing Pre cast solid concrete kerb stones made out of CC 1:2:4 and finished with CM 1:3 plastering and finishing cutting etc., complete. 450X200X400						
	Near Main entrance-Towards North	1	30.00			67.00	
		1	30.00			67.00	
		1	20.00			45.00	
	Towards South	1	30.00			67.00	
		1	22.80			51.00	
	Total					**297.00**	Nos.

Contractor Consultant Assistant Engineer Lakes,BBMP Asst Executive Engineer Lakes ,BBMP

SL No	Description Of Work	No	Length	Bredth	Depth	Qty	Unit
	Pre-measurement Recorded on:						
26	KSRB 2-3:Filling available excavated earth (excluding rock) in sides of foundations and profile correction in layers not exceeding 20 cms. in depth, compacting each deposited layer by ramming after watering with a lead up to 50 m. and lift up to 1.5 m. including cost of all labour complete as per specifications (PWD BCSR 2018-19,P-6,I-2.10)						
	Pathway						
	Between Chainage						
	0 & 15.00						
	(0+0.281)/2	1	8.76	4.20	0.141	5.17	
	15.00 & 30.00						
	(0.281+0.292)/2	1	15.00	4.20	0.287	18.05	
	30.00 & 45.00						
	(0.292+.313)/2	1	15.00	4.20	0.303	19.06	
	45.00 & 60.00						
	(0.313+0.325)/2	1	15.00	4.20	0.319	20.10	
	60.00 & 75.00						
	(0.325+0.126)/2	1	15.00	4.20	0.226	14.21	
	75.00 & 90.00						
	(0.126+0.207)/2	1	15.00	4.20	0.167	10.49	
	90.00 & 105.00						
	(0.207+0.148)/2	1	15.00	4.20	0.178	11.18	
	105.00 & 120.00						
	(0.148+0.140)/2	1	15.00	4.20	0.144	9.07	
	120.00 & 135.00						
	(0.140+0.131)/2	1	15.00	4.20	0.136	8.54	
	135.00 & 150.00						
	(0.131+0.052)/2	1	15.00	4.20	0.092	5.76	
	150.00 & 158.50						
	(0.052+0)/2	1	1.75	4.20	0.026	0.19	
	167.90 &197.90						
	(0+0.069+0)/3	1	15.00	4.20	0.023	1.45	
	Total					**123.26**	Cum

Contractor | Consultant | Assistant Engineer Lakes,BBMP | Asst Executive Engineer Lakes ,BBMP

SL No	Description Of Work	No	Length	Bredth	Depth	Qty	Unit
26	KSRB 2-3:Filling available excavated earth (excluding rock) in sides of foundations and profile correction in layers not exceeding 20 cms. in depth, compacting each deposited layer by ramming after watering with a lead up to 50 m. and lift up to 1.5 m. including cost of all labour complete as per specifications (PWD BCSR 2018-19,P-6,I-2.10)						
	Pathway						
	357.1 & 387.10						
	(0+0.073+0.222)/3	1	30.27	4.20	0.098	12.50	
	387.10 & 417.100						
	(0.222+0.051+0)/3	1	20.14	4.20	0.091	7.70	
	552.1 & 603.800						
	(0+0.027+0.038+0.057+0)/5	1	36.39	4.20	0.024	3.73	
	618.8 & 648.800						
	(0+0.084+0.241)/3	1	24.58	4.20	0.108	11.18	
	648.8 & 663.800						
	(0.241+0.117)/2	1	15.00	4.20	0.179	11.28	
	663.800 & 678.800						
	(0.117+0)/2	1	15.00	4.20	0.059	3.69	
	708.8 & 768.800						
	(0+0.023+0.1+0.57+0)/5	1	40.51	4.20	0.149	25.35	
	783.800 & 844.8						
	(0+0.086+0.153+0)/4	1	39.56	4.20	0.060	9.93	
	930.00 & 960.000						
	(0+0.079+0)/3	1	25.55	4.20	0.026	2.83	
	Total					**88.18**	Cum

Contractor | Consultant | Assistant Engineer, Lakes,BBMP | Asst Executive Engineer, Lakes ,BBMP

SL No	Description Of Work	No	Length	Bredth	Depth	Qty	Unit
26	KSRB 2-3:Filling available excavated earth (excluding rock) in sides of foundations and profile correction in layers not exceeding 20 cms. in depth, compacting each deposited layer by ramming after watering with a lead up to 50 m. and lift up to 1.5 m. including cost of all labour complete as per specifications (PWD BCSR 2018-19,P-6,I-2.10)						
	1185 &1200						
	(0.036+0.056)/2	1	15.00	4.20	0.046	2.90	
	1200 &1215						
	(0.056+0.052)/2	1	15.00	4.20	0.054	3.40	
	1215 & 1230						
	(0.052+0.039)/2	1	15.00	4.20	0.046	2.87	
	1230 & 1245						
	(0.039+0.037)	1	15.00	4.20	0.076	4.79	
	1245 &1260						
	(0.037+0.143)/2	1	15.00	4.20	0.090	5.67	
	1260 &1275						
	(0.143+0.226)/2	1	15.00	4.20	0.195	12.29	
	1275 &1290						
	(0.226+0.16)/2	1	15.00	4.20	0.193	12.16	
	1290 &1305						
	(0.160+0.094)/2	1	15.00	4.20	0.127	8.00	
	1305 &1320						
	(0.094+0.49)/2	1	15.00	4.20	0.392	24.70	
	1320 &1335						
	(0.49+0.107)/2	1	15.00	4.20	0.399	25.14	
	1335 &1350						
	(0.107+0.142)/2	1	15.00	4.20	0.225	14.18	
	1350 &1365						
	(0.142+0.173)/2	1	15.00	4.20	0.258	16.25	
	1365 &1380						
	(0.173+0.244)/2	1	15.00	4.20	0.309	19.47	
	1380 &1395						
	(0.244+0.33)/2	1	15.00	4.20	0.387	24.38	
	1395 &1410						
	(0.33+0.393)/2	1	15.00	4.20	0.362	22.77	
	Total					**198.95**	Cum

Contractor | Consultant | Assistant Engineer Lakes,BBMP | Asst Executive Engineer Lakes ,BBMP

SL No	Description Of Work	No	Length	Bredth	Depth	Qty	Unit
26	KSRB 2-3:Filling available excavated earth (excluding rock) in sides of foundations and profile correction in layers not exceeding 20 cms. in depth, compacting each deposited layer by ramming after watering with a lead up to 50 m. and lift up to 1.5 m. including cost of all labour complete as per specifications (PWD BCSR 2018-19,P-6,I-2.10)						
	1410 &1425						
	(0.339+0.293)/2	1	15.00	4.20	0.316	19.91	
	1425 &1440						
	(0.293+0.222)/2	1	15.00	4.20	0.358	22.55	
	1440 &1455						
	(0.222+0.214)/2	1	15.00	4.20	0.318	20.03	
	1455 &1470						
	(0.214+0.216)/2	1	15.00	4.20	0.315	19.85	
	1470 &1485						
	(0.216+0.258)/2	1	15.00	4.20	0.337	21.23	
	1485 &1500						
	(0.258+0.279)/2	1	15.00	4.20	0.362	22.81	
	1500 &1515						
	(0.279+0.286)/2	1	15.00	4.20	0.283	17.83	
	Total					**144.21**	Cum

Contractor | Consultant | Assistant Engineer Lakes,BBMP | Asst Executive Engineer Lakes ,BBMP

SL No	Description Of Work	No	Length	Bredth	Depth	Qty	Unit
26	KSRB 2-3:Filling available excavated earth (excluding rock) in sides of foundations and profile correction in layers not exceeding 20 cms. in depth, compacting each deposited layer by ramming after watering with a lead up to 50 m. and lift up to 1.5 m. including cost of all labour complete as per specifications (PWD BCSR 2018-19,P-6,I-2.10)						
	1515 &1530						
	(0.286+0.318)/2	1	15.00	4.20	0.302	19.03	
	1530 &1545						
	(0.318+0.365)/2	1	15.00	4.20	0.342	21.51	
	1545 & 1560						
	(0.365+0.35)/2	1	15.00	4.20	0.358	22.52	
	1560 &1575						
	(0.35+0.428)/2	1	15.00	4.20	0.389	24.51	
	1575 &1590						
	(0.428+0.443)/2	1	15.00	4.20	0.436	27.44	
	1590 &1605						
	(0.443+0.437)/2	1	15.00	4.20	0.440	27.72	
	1605 &1620						
	(0.437+0.379)/2	1	15.00	4.20	0.408	25.70	
	1620 &1635						
	(0.379+0.156)/2	1	15.00	4.20	0.268	16.85	
	1635 & 1650.00						
	(0.156+0)/2	1	7.94	4.20	0.078	2.60	
	1695 & 1740.00						
	(0+0.020+0.080+0)/4	1	37.50	4.20	0.025	3.94	
	1935 & 1965.00						
	(0+0.071+0)/3	1	16.58	4.20	0.024	1.65	
	2010.00 & 2055.00						
	(0+0.055+0.98+0.129)/4	1	44.29	4.20	0.291	54.13	
	2055 & 2070						
	(0.129+0.119)/2	1	15.00	4.20	0.124	7.81	
	2070 & 2085						
	(0.119+0.203)/2	1	15.00	4.20	0.161	10.14	
	2085 & 2100						
	(0.203+0.204)/2	1	15.00	4.20	0.204	12.82	
	2100 & 2115						
	(0.204+0.162)/2	1	15.00	4.20	0.183	11.53	
	2115 & 2130						
	(0.162+0.122)/2	1	15.00	4.20	0.142	8.95	
	Total					**298.85**	Cum

Contractor | Consultant | Assistant Engineer Lakes,BBMP | Asst Executive Engineer Lakes ,BBMP

SL No	Description Of Work	No	Length	Bredth	Depth	Qty	Unit
26	KSRB 2-3:Filling available excavated earth (excluding rock) in sides of foundations and profile correction in layers not exceeding 20 cms. in depth, compacting each deposited layer by ramming after watering with a lead up to 50 m. and lift up to 1.5 m. including cost of all labour complete as per specifications (PWD BCSR 2018-19,P-6,I-2.10)						
	2130 & 2145						
	(0.122+0)/2	1	15.00	4.20	0.061	3.84	
	2175.00 & 2190.00						
	(0+0.086)/2	1	8.72	4.20	0.043	1.57	
	2190 & 2205						
	(0.086+0.157)/2	1	15.00	4.20	0.122	7.65	
	2205 & 2220						
	(0.157+0.249)/2	1	15.00	4.20	0.203	12.79	
	2220 & 2235						
	(0.249+0.399)/2	1	15.00	4.20	0.324	20.41	
	2235 & 2250						
	(0.339+0.429)/2	1	15.00	4.20	0.384	24.19	
	2250 & 2265						
	(0.429+0.571)/2	1	15.00	4.20	0.500	31.50	
	2265 & 2280						
	(0.571+0.644)/2	1	15.00	4.20	0.608	38.27	
	2280 & 2295						
	(0.644+0.729)/2	1	15.00	4.20	0.687	43.25	
	2295 & 2310						
	(0.729+0.759)/2	1	15.00	4.20	0.744	46.87	
	2310 & 2325						
	(0.759+0.783)/2	1	15.00	4.20	0.771	48.57	
	2325 & 2340						
	(0.783+0.714)/2	1	15.00	4.20	0.749	47.16	
	2340 & 2355						
	(0.714+0.667)/2	1	15.00	4.20	0.691	43.50	
	2355 & 2370						
	(0.667+0.455)/2	1	15.00	4.20	0.561	35.34	
	2370 & 2385						
	(0.455+0.082)/2	1	15.00	4.20	0.269	16.92	
	2385 & 2400						
	(0.082+0)/2	1	3.47	4.20	0.041	0.60	
	Total					**422.45**	Cum

Contractor | Consultant | Assistant Engineer Lakes,BBMP | Asst Executive Engineer Lakes ,BBMP

	Pre-measurement Recorded on:						
15	KSRB 15-20.1 : Providing and applying floor painting with ready mix paint in two coats (excluding priming coat) on new concrete / asbestos cement sheet / plastered surfaces brushing to give an even shade after preparing the surface after thoroughly cleaning oil, dirt, dust other foreign matter, including cost of materials, labour, complete as per specification						
	Pathway						
	B/W CH. 0.00 & 158.50	2	158.55		0.450	142.70	
	B/W CH. 167.90 & 844.800	4	676.90		0.450	1218.42	
	B/W CH. 854.500 & 1140.00	4	281.90		0.450	507.42	
	B/W CH. 1170.00 & 1605.00	2	435.00		0.450	391.50	
	Total					**2260.04**	Sqm

Contractor | Consultant | Assistant Engineer Lakes,BBMP | Asst Executive Engineer Lakes ,BBMP

SL No	Description Of Work	No	Length	Bredth	Depth	Qty	Unit
	Pre-measurement Recorded on:						
15	KSRB 15-20.1 : Providing and applying floor painting with ready mix paint in two coats (excluding priming coat) on new concrete / asbestos cement sheet / plastered surfaces brushing to give an even shade after preparing the surface after thoroughly cleaning oil, dirt, dust other foreign matter, including cost of materials, labour, complete as per specification						
	New Kerb						
		4	79.00		0.450	142.20	
		4	75.00		0.450	135.00	
		2	315.00		0.450	283.50	
		2	323.00		0.450	290.70	
	Near entrance	1	80.00		0.450	36.00	
		1	60.00		0.450	27.00	
	Total					**914.40**	Sqm

Contractor | Consultant | Assistant Engineer, Lakes,BBMP | Asst Executive Engineer, Lakes ,BBMP

	Pre-measurement Recorded on: 12/02/2022						
16	Providing casing embankment using semi-pervious soil from approved borrow areas in layers of 250 to 300 mm before compaction including cost of all materials, machinery, labour, all other operations such as excavation, sorting out, transportation, spreading soil to specified thickness, breaking clods, sectioning, watering, compacting to density control of not less than 95 percent using power roller etc., complete with initial lead all lifts. (MI BCSR 2018-19.P-35,I-2.36)						
	Pathway						
	Pre-measurement Recorded on: 12/02/2022						
	North Corner	1	15.00	6.50	0.600	58.50	
		1	15.00	6.50	0.600	58.50	
		1	15.00	6.50	0.600	58.50	
		1	15.00	6.50	0.600	58.50	
	Near Kalyani	1	15.00	6.50	0.600	58.50	
		1	15.00	6.50	0.600	58.50	
		1	15.00	6.50	0.600	58.50	
		1	15.00	6.50	0.600	58.50	
	Total					**468.00**	Cum

Contractor | Consultant | Assistant Engineer, Lakes,BBMP | Asst Executive Engineer, Lakes ,BBMP

	Pre-measurement Recorded on: 16/02/2022						
16	Providing casing embankment using semi-pervious soil from approved borrow areas in layers of 250 to 300 mm before compaction including cost of all materials, machinery, labour, all other operations such as excavation, sorting out, transportation, spreading soil to specified thickness, breaking clods, sectioning, watering, compacting to density control of not less than 95 percent using power roller etc., complete with initial lead all lifts. (MI BCSR 2018-19.P-35,I-2.36)						
	Near Yoga Platform	1	15.00	6.50	0.600	58.50	
		1	15.00	6.50	0.600	58.50	
		1	15.00	6.50	0.600	58.50	
		1	15.00	6.50	0.600	58.50	
	Near Park Fencing	1	15.00	6.50	0.600	58.50	
		1	15.00	6.50	0.600	58.50	
		1	15.00	6.50	0.600	58.50	
	Total					**409.50**	Cum

Contractor | Consultant | Assistant Engineer, Lakes,BBMP | Asst Executive Engineer, Lakes ,BBMP

SL No	Description Of Work	No	Length	Bredth	Depth	Qty	Unit
	Pre-measurement Recorded on: 20/02/2022						
16	Providing casing embankment using semi-pervious soil from approved borrow areas in layers of 250 to 300 mm before compaction including cost of all materials, machinery, labour, all other operations such as excavation, sorting out, transportation, spreading soil to specified thickness, breaking clods, sectioning, watering, compacting to density control of not less than 95 percent using power roller etc., complete with initial lead all lifts. (MI BCSR 2018-19.P-35,I-2.36)						
	Near Labour quarter	1	15.00	6.50	0.600	58.50	
		1	15.00	6.50	0.600	58.50	
		1	15.00	6.50	0.600	58.50	
		1	15.00	6.50	0.600	58.50	
	Total					**234.00**	Cum

Contractor | Consultant | Assistant Engineer, Lakes,BBMP | Asst Executive Engineer, Lakes ,BBMP

	Pre-measurement Recorded on: 23/02/2022						
16	Providing casing embankment using semi-pervious soil from approved borrow areas in layers of 250 to 300 mm before compaction including cost of all materials, machinery, labour, all other operations such as excavation, sorting out, transportation, spreading soil to specified thickness, breaking clods, sectioning, watering, compacting to density control of not less than 95 percent using power roller etc., complete with initial lead all lifts. (MI BCSR 2018-19.P-35,I-2.36)						
	Near Children Playarea	1	15.00	6.50	0.600	58.50	
		1	15.00	6.50	0.600	58.50	
		1	20.00	6.50	0.600	78.00	
	Total					**195.00**	Cum

Contractor | Consultant | Assistant Engineer, Lakes,BBMP | Asst Executive Engineer, Lakes ,BBMP

31	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thicknes including cost of all materials, labour complete as per specifications and direction of the Engineer in charge.						
	Foundation wall	2	13.69		1.70	46.55	
		2	5.86		1.70	19.92	
		4	5.08		1.70	34.54	
		4	5.26		1.70	35.77	
		2	1.43		1.70	4.86	
		2	2.33		1.70	7.92	
		2	2.03		1.70	6.90	
		2	2.33		1.70	7.92	
						164.39	Sqm

Contractor | Consultant | Assistant Engineer, Lakes,BBMP | Asst Executive Engineer, Lakes ,BBMP

SL No	Description Of Work		No	Length	Bredth	Depth	Qty	Unit
30	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for flat surface such as roofs landings balconies and likes thickness upto 200 mm including cost of all materials labour complete as per specifications upto 3.50 m from Ground level							
	ROOF SLAB							
	Rooms		2	3.14	5.23		32.84	
			2	3.72	5.23		38.91	
	Toilet1		1	3.14	2.48		7.79	
			1	3.72	2.48		9.23	
	Beam (0.45+0.15+0.45)		1	2.48	1.05		2.60	
			1	1.35	1.05		1.42	
							92.79	sqm

Contractor Consultant Assistant Engineer Lakes,BBMP Asst Executive Engineer Lakes ,BBMP

32	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for sides and soffits of beams, beam haunchings, cantilever girders, bressumers and lintels not exceeding 1m in depth including cost of all materials, labour complete as per specifications.							
	Roof Beam (0.45+0.15+0.45)							
		B1	2	13.54		1.05	28.43	
		B2	4	3.25		1.05	13.65	
			4	2.70		1.05	11.34	
	Total						**53.42**	sqm

Contractor Consultant Assistant Engineer Lakes,BBMP Asst Executive Engineer Lakes ,BBMP

32	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for sides and soffits of beams, beam haunchings, cantilever girders, bressumers and lintels not exceeding 1m in depth including cost of all materials, labour complete as per specifications.							
	For Lintels (0.15+0.15+0.15)							
	Bathroom		1	2.78		0.45	0.56	
			1	1.65		0.45	0.25	
	Lintels	D2	2	1.05		0.45	0.32	
	Total						**1.12**	sqm

Contractor Consultant Assistant Engineer Lakes,BBMP Asst Executive Engineer Lakes ,BBMP

SL No	Description Of Work	No	Length	Bredth	Depth	Qty	Unit
33	Providing and removing centering, shuttering, strutting, propping & removal of form work etc., for edges of slabs and breaks in floor including cost of all materials, labour complete as per specifications.						
	Pathway						
	B/W CH. 0.00 & 15.00 (For Concrete)						
		2	2.50		0.200	1.00	
		1	4.20		0.200	0.84	
	B/W CH. 0.00 & 15.00 (For Concrete)						
		2	2.50		0.200	1.00	
		1	4.20		0.200	0.84	
	B/W CH. 150.0 & 158.0 (For Concrete)						
		2	2.00		0.200	0.80	
		1	4.20		0.200	0.84	
	B/W CH. 167.90 & 182.90 (For Concrete)						
		2	2.50		0.200	1.00	
		1	4.20		0.200	0.84	
	Total					**7.16**	Sqm

Contractor | Consultant | Assistant Engineer, Lakes,BBMP | Asst Executive Engineer, Lakes ,BBMP

SL No	Description Of Work	No	Length	Bredth	Depth	Qty	Unit
33	Providing and removing centering, shuttering, strutting, propping & removal of form work etc., for edges of slabs and breaks in floor including cost of all materials, labour complete as per specifications.						
	Pathway						
	B/W CH. 813.8 & 844.80 (For Concrete)						
		2	3.40		0.200	1.36	
		1	4.20		0.200	0.84	
	B/W CH. 854.5 & 870.0 (For Concrete)						
		2	3.50		0.200	1.40	
		1	4.20		0.200	0.84	
	B/W CH.2775 & 2780.0 (For Concrete)						
		2	2.50		0.200	1.00	
		1	4.20		0.200	0.84	
	Total					**6.28**	Sqm

Contractor | Consultant | Assistant Engineer, Lakes,BBMP | Asst Executive Engineer, Lakes ,BBMP

SL No	Description Of Work	No	Length	Bredth	Depth	Qty	Unit
18	KSRB 4.9.2 Providing TMT Steel Reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications.						
	Pathway						
	12mm rods for the concrete Slab	1				0.64	
	Total					**0.64**	MT

Contractor | Consultant | Assistant Engineer, Lakes,BBMP | Asst Executive Engineer, Lakes ,BBMP

SL No	Description Of Work	No	Length	Bredth	Depth	Qty	Unit
48	Providing 15mm thick cement plaster in single coat with cement mortar to brick masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications.						
	Shoulder drains						
	(0.1+0.15+0.2+0.15+0.1)						
	B/W CH. 0.00 & 180.00	9	2.20		0.700	13.86	
	B/W CH. 180.00 & 300.00	6	2.20		0.700	9.24	
	B/W CH. 300.00 & 480.00	9	2.20		0.700	13.86	
	B/W CH. 480.00 & 780.00	15	2.20		0.700	23.10	
	B/W CH. 780.00 & 1100.00	16	2.20		0.700	24.64	
	B/W CH. 1100.00 & 1260.00	6	2.20		0.700	9.24	
	near kalyani						
	B/W CH. 450.00 & 90.00	15	2.20		0.700	23.10	
	B/W CH. 1750.00 & 2200.00	22	2.20		0.700	33.88	
	B/W CH. 2400.00 & 2700	20	2.20		0.700	30.80	
	Total					**181.72**	Sqm

Contractor Consultant Assistant Engineer Lakes,BBMP Asst Executive Engineer Lakes ,BBMP

48	Providing 15mm thick cement plaster in single coat with cement mortar to brick masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications.						
	Labour Quarters						
	Room	4	5.41		3.125	67.63	
		4	5.23		3.125	65.38	
		1	5.56		3.125	17.38	
		3	2.48		3.125	23.25	
		1	1.58		3.00	4.74	
		2	1.04		3.00	6.24	
		2	1.14		3.00	6.84	
						191.45	
	Deductions						
	Doors D	2	1.00		2.10	4.20	
	D1	2	0.90		2.10	3.78	
	D2	2	0.75		2.10	3.15	
	Windows W	2	1.50		1.35	4.05	
	W1	4	1.20		1.35	6.48	
	W2	1	0.75		0.60	0.45	
	V	2	0.60		0.60	0.72	
						22.83	
	Total					**168.62**	Sqm

Contractor Consultant Assistant Engineer Lakes,BBMP Asst Executive Engineer Lakes ,BBMP

SL No	Description Of Work	No	Length	Bredth	Depth	Qty	Unit
49	Providing 18mm thick cement plaster in single coat with cement mortar to brick masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications.in CM 1;6						
	Hume Pipe						
	Chamber (2*3*2)	12	0.6		0.60	4.32	
	Labour Quarters						
		1	13.54		2.75	37.24	
		1	10.91		2.75	30.00	
	(2.75+3.5)/2	2	5.71		3.125	35.69	
		1	1.39		2.75	3.82	
		1	4.21		3.125	13.16	
	Total					**124.22**	Sqm

Contractor | Consultant | Assistant Engineer Lakes,BBMP | Asst Executive Engineer Lakes ,BBMP

20	Providing 20mm thick cement plaster in single coat with cement mortar, to stone masonry & concrete surface including rounding off corners wherever required smooth rendering, including providing and removing scaffolding, cost of materials, labour, curing etc., complete as per specification.cement mortar 1:3						
	Labour Quarters						
	For Roof S1	1	3.34	13.54		45.22	
		1	3.91	13.54		52.94	
	Total					**98.17**	Sqm

Contractor | Consultant | Assistant Engineer Lakes,BBMP | Asst Executive Engineer Lakes ,BBMP

21	Extra for providing and mixing waterproofing compound in cement plaster for stone masonry work at one kg per bag or in the proportion recommended by the manufacturers, for cement mortar 1:4, 20mm thick cost of materials complete as per specifications.						
	Labour Quarters						
	For Roof S1	1	3.34	13.54		45.22	
		1	3.91	13.54		52.94	
	Total					**98.17**	Sqm

Contractor | Consultant | Assistant Engineer Lakes,BBMP | Asst Executive Engineer Lakes ,BBMP

19	Providing 12mm thick cement plaster in single coat with cement mortar, to **ceiling** including rounding off corners wherever required smooth rendering, including providing and removing scaffolding, cost of materials, labour, curing etc., complete as per specification. **cement mortar 1:3**						
	Labour Quarters						
	Ceiling						
	Rooms	2	3.14	5.23		32.84	
		2	3.72	5.23		38.91	
	Toilet1	1	3.14	2.48		7.79	
		1	3.72	2.48		9.23	
	Beam (0.45+0.15+0.45)	1	2.48	1.05		2.60	
		1	1.35	1.05		1.42	
						92.79	Sqm

Contractor | Consultant | Assistant Engineer Lakes,BBMP | Asst Executive Engineer Lakes ,BBMP

Sl No	Description Of Work		No	Length	Bredth	Depth	Qty	Unit
38	Providing and fixing M.S.grill work for windows and ventilators using M.S. flats, or M.S. square rods, or combination of M.S. flats and square rods as per approved design, drawing including cutting steel sections and welding the same to required pattern with a coat of red lead primer, cost of materials, fixtures, labour and HOM complete as per specifications. Specification No. KBS 7.12							
	Labour Quarters							
	Windows	W	2	1.50		1.35	4.05	
		W1	4	1.20		1.35	6.48	
		W2	1	0.75		0.75	0.56	
		V	2	0.60		0.60	0.72	
							11.81	
	(11.81 x 21)						**248.06**	Kgs

Contractor Consultant Assistant Engineer Lakes,BBMP Asst Executive Engineer Lakes ,BBMP

39	Providing **Honne wood frames** of doors, windows, clerestory windows, ventilators and other frames, wrought, framed or assembled including making plaster groves (excluding cost of cement concrete and side clamps), but including cost of materials, labour, HOM complete as per specifications.							
	Labour Quarters							
	Doors	D1(2*2)	4	0.10	0.125	1.15	0.06	
			4	0.10	0.125	2.10	0.11	
							0.16	Cum

Contractor Consultant Assistant Engineer Lakes,BBMP Asst Executive Engineer Lakes ,BBMP

40	Fixing of frames in an existing opening including embeeding frame in floor and walls after cutting masonry for holdfasts for embedding holdfast in cement concrete 1:3:6 of 20mm and down size granite metal painting two coats of coal tar to sides of frame, making good the damages to walls and floor as required and disposal of the debries with lead upto 50 m. including cost of materials, labour charges, complete as per specifications.							
	Labour Quarters							
	Doors	D	6				6.00	
							6.00	Nos.

Contractor Consultant Assistant Engineer Lakes,BBMP Asst Executive Engineer Lakes ,BBMP

41	Providing and fixing in position fully panelled **Honne wood shutters** for doors, styles and rails of 30mm. thick with bottom and lock rails 180mm wide top rail and styles 100mm wide as per drawing and panels of 25mm thick including cost of materials, labour, HOM complete as per specifications. (excluding cost of fixtures)							
	Labour Quarters							
	Doors	D	2	1.00		2.10	4.20	
							4.20	Sqm

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SL No	Description Of Work	No	Length	Bredth	Depth	Qty	Unit
44	Providing **Ceramic tiles/Antiskid tiles** of size 30x30cms of approved make, shade and size for flooring, treads of steps and landings laid on a bed of 12mm thick, cement mortar 1:3 mix, flush pointing with white cement using colour pigment, including cost of materials, labour, curing, complete as per specifications.						
	Labour Quarters						
	Bath	1	2.48	1.58		3.92	
	Toilet1	1	1.14	1.04		1.19	
	Toilet 2	1	1.14	1.04		1.19	
						6.29	Sqm

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45	Providing skirting, dadoing, rises of steps with colour glazed tiles on 10mm thick cement plaster 1:3 and jointed with white cement slurry over existing rough plaster surface using glazed tiles of approved make and size including cost of materials, labour, complete as per specifications.**Colour glazed tiles 30x45 cms 6mm thick with border of size 30 x 10 cms.**						
	Labour Quarters						
	Bath	2	2.48		2.10	10.42	
		2	1.58		2.10	6.64	
	Toilet1	2	1.14		2.10	4.79	
		2	1.04		2.10	4.37	
	Toilet 2	2	1.14		2.10	4.79	
		2	1.04		2.10	4.37	
						35.36	
	Deduction D	1	0.9		2.1	1.89	
	D2	2	0.75		2.1	3.15	
						5.04	
						30.32	Sqm

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46	Providing and fixing Vitrified glazed tiles of approved make, quality & colour of size 600 x 600 x 10mm thick fixed on bed of 12mm thick cement mortar for flooring, skirting and jointed with neat cement slurry mixed with pigment to mach shade of tiles,including providing spacers at required interval and removing stains, including cost of all mateirals, mortar, labour, etc., Complete as per specification.						
	Labour Quarters						
	For Floor						
	Rooms	2	5.41	5.23		56.59	
						56.59	
	Add Skirting 10%					**5.66**	
	Total					**62.25**	Sqm

Contractor Consultant Assistant Engineer Lakes,BBMP Asst Executive Engineer Lakes ,BBMP

SL No	Description Of Work		No	Length	Bredth	Depth	Qty	Unit
50	Providing and applying painting in two coats with plastic emulsion with primer of approved brand on wall surface to give an even approved shade after thoroughly brushing the surface, free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour as per specifications.							
	Labour Quarters							
	Ceiling							
	Rooms		2	3.14	5.23		32.84	
			2	3.72	5.23		38.91	
	Toilet1		1	3.14	2.48		7.79	
			1	3.72	2.48		9.23	
	Beam (0.45+0.15+0.45)		1	2.48	1.05		2.60	
			1	1.35	1.05		1.42	
	Room		4	5.41		3.125	67.63	
			4	5.23		3.125	65.38	
			1	5.56		3.125	17.38	
			3	2.48		3.125	23.25	
			1	1.58		3.00	4.74	
			2	1.04		3.00	6.24	
			2	1.14		3.00	6.84	
							284.23	
	Deductions							
	Doors	D		2	1.00		2.10	4.20
			D1	2	0.90		2.10	3.78
			D2	2	0.75		2.10	3.15
	Windows	W		2	1.50		1.35	4.05
			W1	4	1.20		1.35	6.48
			W2	1	0.75		0.60	0.45
			V	2	0.60		0.60	0.72
							22.83	
							261.40	Sqm

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51	Providing and finishing external walls in two coats with waterproof cement paint of approved brand and shade to give an even shade after throughly brooming the surface to remove all dirt and loose powdered material, free from mortar drops and other foreign matter cost of materials, labour, complete as per specifications.with primer							
	Labour Quarters							
			1	13.54		2.75	37.24	
			1	10.91		2.75	30.00	
	(2.75+3.5)/2		2	5.71		3.125	35.69	
			1	1.39		2.75	3.82	
			1	4.21		3.125	13.16	
							119.90	Sqm

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SL No	Description Of Work		No	Length	Bredth	Depth	Qty	Unit
52	Applying priming coat over new wood surface and / or wood based surface, after brushing with ready mix enamel priming paint including preparing the surface after thoroughly cleaning oil, grease, dirt and foreign matter, sand papering and knotting ready mix paint including cost of materials, labour, complete as per specifications.							
	Labour Quarters							
	Doors	D(2*2)	4	1.00		2.10	8.40	
							8.40	Sqm

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53	Providing and applying painting two coats (excluding priming coat) on new wood surface and / or wood based surface with coal tar paint to give an even shade after cleaning the surface of all dirt, dust and foreign matter, including cost of materials, labour, complete as per specifications.							
	Labour Quarters							
	Doors	D(2*2)	4	1.00		2.10	8.40	
							8.40	Sqm

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54	Applying red lead ready mix priming coat over new steel or other metal surface including preparing the surface after throughly cleaning oil, grease, dirt and other foreign matter, and scoured with wire brushes, fine steel wool, sand papers including cost of materials, labour, complete as per specifications.							
	Labour Quarters							
		D1	1	0.90		2.10	1.89	
	Windows	W	2	1.50		1.35	4.05	
		W1	4	1.20		1.35	6.48	
		W2	1	0.75		0.75	0.56	
		V	2	0.60		0.60	0.72	
							13.70	Sqm

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55	Providing and applying enamel metal paint two coats (excluding priming coat) over new steel or other metal surface brushing to give an even shade after cleaning oil, grease, dirt and other foreign matter, including cost of materials, labour, complete as per specifications.							
	Labour Quarters							
		D1	1	0.90		2.10	1.89	
	Windows	W	2	1.50		1.35	4.05	
		W1	4	1.20		1.35	6.48	
		W2	1	0.75		0.75	0.56	
		V	2	0.60		0.60	0.72	
							13.70	Sqm

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SL No	Description Of Work		No	Length	Bredth	Depth	Qty	Unit
56	Providing applying two coats of wall putty to inside plastered walls and ceiling using white cement putty. Scrapping and levelling the surface using steel blade and preparing the surface even and smooth by using different grade sand papers, including cost of all materials, cost of labour and scaffolding etc., complete as per the specification.							
	Labour Quarters							
	Ceiling							
	Rooms		2	3.14	5.23		32.84	
			2	3.72	5.23		38.91	
	Toilet1		1	3.14	2.48		7.79	
			1	3.72	2.48		9.23	
	Beam (0.45+0.15+0.45)		1	2.48	1.05		2.60	
			1	1.35	1.05		1.42	
	Room		4	5.41		3.125	67.63	
			4	5.23		3.125	65.38	
			1	5.56		3.125	17.38	
			3	2.48		3.125	23.25	
			1	1.58		3.00	4.74	
			2	1.04		3.00	6.24	
			2	1.14		3.00	6.84	
							284.23	
	Deductions							
	Doors	D	2	1.00		2.10	4.20	
		D1	2	0.90		2.10	3.78	
		D2	2	0.75		2.10	3.15	
	Windows	W	2	1.50		1.35	4.05	
		W1	4	1.20		1.35	6.48	
		W2	1	0.75		0.60	0.45	
		V	2	0.60		0.60	0.72	
							22.83	
							261.40	Sqm

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	Miscellaneous							
	Labour Quarters							
57	Providing & fixing of Door locking arrangements (xv item no.392)						3.00	Nos.
58	Providing & fixing of Handles pwder coated 150mm(Page XV item 388)						6.00	Nos.
59	Hinges 5" heavy duty						12.00	Nos.
60	Tower bolt 300mm Long						6.00	Nos.

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SL No	Description Of Work	No	Length	Bredth	Depth	Qty	Unit
68	Providing and fixing white vitreous china clay, water closet Orissa pattern of size 580 x 440mm with integral type footrests, 100mm S or P trap, 10 litre low level, P.V.C flushing cistern (all are approved make) with fittings, C.I / M.S brackets, 32mm diameter flush pipe fittings and clamps, overflow arrangements with special and 25mm mosquito proof coupling of approved design, painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications. Specification						
		2				2.00	Nos.
69	Providing and fixing 7.5 cms to 15.00 cms dia NP grating 100 mm dia.						
		3				3.00	Nos.
70	Providing and fixing in position brass stop cock of approved quality 20mm nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications.						
		6				6.00	Nos.
71	Providing and fixing in position brass gate valve with C.I wheel of approved quality (screwed end) 20mm nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications.						
		2				2.00	Nos.
72	Providing and fixing in position brass ball valve high or low pressure with plastic float of approved quality 20mm nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications.						
		1				1.00	Nos.
73	Providing and fixing to wall, ceiling and floor high density polyethylene pipes 6.00 kgf/sq.cm working pressure of outside diameter raising mains & exposed distribution pipes with special flange, compression type fittings, wall clips, making good the wall, ceiling and floor, including cost of all materials, labour charges, HOM and testing complete as per specifications.32mm dia						
		275				275.00	Mtr

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74	Providing and placing on terrace, polyethylene water storage tanks with manhole lid and suitable locking arrangements, making holes of suitable diameter for inlet, outlet and over flow pipes, including cost of all materials, labour, transport charges, HOM of equipments and testing complete as per specifications.(For 1000 litre capacity)						
		1				1.00	Nos.
75	Providing and fixing Chorinated Poly Venyl Chloride (CPVC) 20mm pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1.00 mtr spacing. This includes jointing of pipes and fittings with one step CPVC solvent cement & the cost of cutting chases & making good the same including testing of joints complete. (Concealed work including cutting chases and good the walls etc.)						
		25				25.00	Mtr
76	Providing and fixing Chorinated Poly Venyl Chloride (CPVC) 25mm pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1.00 mtr spacing. This includes jointing of pipes and fittings with one step CPVC solvent cement & the cost of cutting chases & making good the same including testing of joints complete. (Concealed work including cutting chases and good the walls etc.)						
		12				12.00	Mtr
77	Provicing and fixing of submersible single phase motor 0.5/0.37						
		1				1.00	Nos.

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SL No	Description Of Work	No	Length	Bredth	Depth	Qty	Unit
88	Concealed Conduit System Supplying heavy gauge PVC conduit pipe 19/20mm dia 2mm thick confirming to IS 2509 with suitable size bends, metal/PVC junction boxes, adhesive paste etc., and running before concreting the slab. The conduit should be tied to the reinforcement rods by using binding wires and unused ways of junction boxes and pipe ends should be covered using PVC end enclosures, run with 18SWG GI fish wire wherever necessary						
	Electrical	18.00				18.00	Mtr
89	Concealed Conduit System Supplying heavy gauge PVC conduit pipe 25mm dia 2mm thick confirming to IS 2509 with suitable size bends, metal/PVC junction boxes, adhesive paste etc., and running before concreting the slab. The conduit should be tied to the reinforcement rods by using binding wires and unused ways of junction boxes and pipe ends should be covered using PVC end enclosures, run with 18SWG GI fish wire wherever necessary						
	Electrical	15.00				15.00	Mtr
90	Supplying heavy gauge PVC Conduit Pipe 19/20 dia 2 mm thick with suitable size bends, metal junction boxes adhesive paste etc., by groove cutting in the wall and fixing by bracing U or J hooks and cement plastering up to the wall surface and run with 18 SWG GI fish wire run throughout the conduit wherever necessary.						
	Electrical	13.00				13.00	Mtr
91	Supplying heavy gauge PVC Conduit Pipe 25mm dia 2 mm thick with suitable size bends, metal junction boxes adhesive paste etc., by groove cutting in the wall and fixing by bracing U or J hooks and cement plastering up to the wall surface and run with 18 SWG GI fish wire run throughout the conduit wherever necessary.						
	25mm dia 2mm thk	10.00				10.00	Mtr

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92	Supplying heavy gauge PVC Conduit Pipe 25mm dia 2 mm thick with suitable size bends, metal junction boxes adhesive paste etc., by groove cutting in the wall and fixing by bracing U or J hooks and cement plastering up to the wall surface and run with 18 SWG GI fish wire run throughout the conduit wherever necessary.						
	25mm dia 2mm thk	4.00				4.00	Mtr
93	Point wiring using Copper wire with switch. Supplying and wiring adopting loop system in existing PVC Conduit / casing capping using 1100V grade, COPPER conductor flexible multistrand FRLS PVC insulated, 2 X1.5Sq.mm Cable confirming to the GTP, with a 6Amps flush type SP control switch shall be fixed on the existing plastic sheet / gang box, the other end of the wires shall be terminated with sufficient loose length in a wood/PVC round block. complete for each outlet. GROUP A. Short Point upto 3.0m						
	Electrical	8.00				8.00	Point
94	Point wiring using Copper wire with switch. Supplying and wiring adopting loop system in existing PVC Conduit / casing capping using 1100V grade, COPPER conductor flexible multistrand FRLS PVC insulated, 2 X1.5Sq.mm Cable confirming to the GTP, with a 6Amps flush type SP control switch shall be fixed on the existing plastic sheet / gang box, the other end of the wires shall be terminated with sufficient loose length in a wood/PVC round block. complete for each outlet. GROUP A. Short Point above 3.0m upto 6.0m						
		6.00				6.00	Point
95	Wiring for lighting/power circuit using one of FRLS PVC insulated 1100V grade, multistrand Copper with low conductor resistance single core wire in open or concealed system of wiring with specified IS-694:1990 & confirming to GTP of GROUP -A. 1.5 Sqmm						
	Electrical	60.00				60.00	Mtr

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SL No	Description Of Work	No	Length	Bredth	Depth	Qty	Unit
96	Wiring for lighting/power circuit using one of FRLS PVC insulated 1100V grade, multistrand Copper with low conductor resistance single core wire in open or concealed system of wiring with specified IS-694:1990 & confirming to GTP of GROUP -A. 2.5 Sqmm						
	Electrical	95.00				95.00	Mtr
97	Wiring for lighting/power circuit using one of FRLS PVC insulated 1100V grade, multistrand Copper with low conductor resistance single core wire in open or concealed system of wiring with specified IS-694:1990 & confirming to GTP of GROUP -A. 4.0 Sqmm						
	Electrical	15.00				15.00	Mtr
98	Supplying and flush mounting powder coated / galvanized metal box suitable for mounting modular switch plates. The box should be firmly flush mounted after due groove cutting in Brick/Stone/C.C wall 1-3 way						
	Electrical	5.00				5.00	Each
99	Supplying and flush mounting powder coated / galvanized metal box suitable for mounting modular switch plates. The box should be firmly flush mounted after due groove cutting in Brick/Stone/C.C wall 4-5 way						
		1.00				1.00	Each

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100	Supplying and fixing superior quality modular switch mounting polycarbonate plate with necessary supporting back plate with required nos. of machine screws, bolts nuts etc., complete on the existing metal/PVC box. 1-3 module						
	Electrical	5.00				5.00	Each
101	Supplying and fixing superior quality modular switch mounting polycarbonate plate with necessary supporting back plate with required nos. of machine screws, bolts nuts etc., complete on the existing metal/PVC box. 4 module						
		1.00				1.00	Each
102	Supplying and fixing of modular switch/ Socket/stepped electronic fan regulator/ dimmer/telephone socket etc on existing modular switch plate as per IS 3854 and IS 1293 GROUP A 6Amps- 1 Way						
	Electrical	4.00				4.00	Each
103	Supplying and fixing of modular switch/ Socket/stepped electronic fan regulator/ dimmer/telephone socket etc on existing modular switch plate as per IS 3854 and IS 1293 GROUP A 6Amps- 3 Way						
		4.00				4.00	Each
104	Supplying and fixing of modular switch/ Socket/stepped electronic fan regulator/ dimmer/telephone socket etc on existing modular switch plate as per IS 3854 and IS 1293 GROUP A Stepped fan regulator						
		2.00				2.00	Each

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SL No	Description Of Work	No	Length	Bredth	Depth	Qty	Unit
105	Supplying and fixing of modular switch/ Socket/stepped electronic fan regulator/ dimmer/telephone socket etc on existing modular switch plate as per IS 3854 and IS 1293 GROUP A 16Amps- 1 Way switch						
		3.00				3.00	Each
106	Supplying and fixing of modular switch/ Socket/stepped electronic fan regulator/ dimmer/telephone socket etc on existing modular switch plate as per IS 3854 and IS 1293 GROUP A 6Amps- bell push						
		1.00				1.00	Each
107	Supplying and fixing of modular switch/ Socket/stepped electronic fan regulator/ dimmer/telephone socket etc on existing modular switch plate as per IS 3854 and IS 1293 GROUP A 6/16Amps-universal socket						
		3.00				3.00	Each
108	Supplying 50mm wooden plug Tapered from 50X50mm to 25X25mm and fixing by using binding wire before concreting roof slab						
		100.00				100.00	Each

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109	Supplying & fixing retrofit type -PL- LED Lamp .....W LED linear source with CCT 6500 degree K, CRI> 70%. efficacy >80 lumen per watt, life> 25000 burning hours and Compliance to IS 10322/IEC 60598, LM 79 & LM 80. The LED are driven by HF electronic driver integrated in the system, with PF > 0.95, power loss should < 5% of lamp wattage., short circuit & open circuit protection to be integrated in the circuit, THD less than 20%, Life as per LM 79. The operating input voltage should be between 130 to 275 volts. Tested by NABL/CPRI accredited laboratory with 2 years Warranty against any manufacturing defect working under standard electrical condition.8-9 Watts						
	Electrical	8				8.00	Each
110	Supplying & fixing of Porcelain fuse channel with cut out on existing wooden/panel using necessary nuts, bolts and washers.100Amps						
	Electrical	2				2.00	Each
111	Supplying and fixing regular MCCB distribution Panel confirming to IS 8828, on wall / wood board / flush mounting using required clamps, bolts, nuts, etc., with provision for fixing of suitable type capacity MCCB's as an incomer for 3 phase Double door with necessary bus bar completely wired to use on 440Volts 3phase 4 wire powder coated painting etc., complete with a provision for fixing of single/ three phase suitable capacity MCCB/MCB's as outgoings confirming to IS8828.4Way						
	Electrical	1				1	
						1	Each
112	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve, indicator ON/OFF, energy cross-3 with Short circuit breaking capacity of 10K and complete wiring as required confirming to IEC 60898.						
	Electrical	3				3	Each
113	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve, indicator ON/OFF, energy cross-3 with Short circuit breaking capacity of 10K and complete wiring as required confirming to IEC 60898. 6-32Amp DP.						
		1				1	Each

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SL No	Description Of Work	No	Length	Bredth	Depth	Qty	Unit
114	Supplying and fixing regular MCB distribution boards on wall / wood board / flush mounting using required clamps, bolts, nuts etc., with provision for fixing suitable type capacity MCB's single phase / 3 phase / single door with powder coated painting. Made out of 14 SWG MS enclosure.II - Single Door8Way SP &N						
	Electrical	1				1	
						1	Each
115	Supplying, fixing, wiring, earth electrode for grounding conduits, I.C. cutouts and other equipment's on the meter board using 40mm dia 2.90mm thick GI pipe 2.5 mtr long buried in a pit ... The pit should be filled with equal proportion of salt and charcoal 150mm all-round the pipe to complete depth. The connection from the pipe to the conduit etc., is to be established through GI wire of size as per ISI specification 7.3.3. of IS 732 using 12mm dia bolts, nuts, washers and check nuts etc., the pipe shall have 16 through holes of 122 mm dia						
	Electrical	1				1	
						1	Nos.
116	Supplying and running of GI/Copper strips for grounding connections, using necessary fixing materials as required. GI strip 25/3mm						
	Electrical	12				12	Mtr
117	Supplying and running of GI/Copper strips for grounding connections, using necessary fixing materials as required. 600X600X3mm GI Plate						
		1				1	Each

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118	Supplying of 1.1 KV LT UG cable having aluminum conductor PVC insulated, extruded inner sheathed, galvanized, steel strip (except 2CX10Sq.mm wire armoured) confirming to IS-3975:1990 (No. of Strip indicated in GTP) & extruded PVC outer sheathed armoured cable with specified IS-1554 Part-1:1988 & confirming to GTP of GROUP-A.						
	Electrical	15				15	
						15	Mtr
119	Supplying capacitor type ceiling fan complete with down rod blades, shackle, canopies etc., for operation on 230 volts, 50 cycles. Single phase AC supply conforming to ISS-374- 1979 and with double ball bearing system.						
	Electrical	4				4	
						4	Each
120	Fixing all types and all capacities of fluorescent / false ceiling / spot light / CFL / LED fittings indoor on the wall / ceiling / rafters / girders using 23/0.0076" twin twisted PVC insulated wires, required Nos of round blocks and clamps.On wall / ceiling / Rafter / Girders						
	Electrical	8				8	
						8	Each

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SL No	Description Of Work	No	Length	Bredth	Depth	Qty	Unit
	Pre-measurement Recorded on:						
EI-1	KSRB 2-2 : Earthwork excavation by manual means for foundation of buildings, water supply and sanitary lines and electrical conduits etc, either in pits or in trenches 1.5m and above in width, in soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. including breaking of clods complete as per specifications.						
	Labour Quators						
	East & West	1	14.59	1.20	1.60	28.01	
		1	11.96	1.20	1.60	22.96	
		3	4.36	1.20	1.60	25.11	
		1	4.06	1.20	1.60	7.80	
		2	1.43	1.20	1.60	5.49	
	Total					**89.38**	Cum

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Lakes,BBMP Lakes ,BBMP

	Pre-measurement Recorded on:						
EI-2	Providing and Filling in foundation with granite / trap broken metal 100mm. and down size & with approved sand including hand packing, ramming, watering, including cost of all materials and labour with all lead and lift. complete as per specifications.						
	For foundation	1	14.59	1.20	0.15	2.63	
		1	11.96	1.20	0.15	2.15	
		3	4.36	1.20	0.15	2.35	
		1	4.06	1.20	0.15	0.73	
		2	1.43	1.20	0.15	0.51	
						8.38	Cum

Contractor Consultant Assistant Engineer Asst Executive Engineer
Lakes,BBMP Lakes ,BBMP

	Pre-measurement Recorded on:						
EI-3	Providing and laying in position reinforced cement concrete of design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70cum and fine aggregtes @ 0.47cum, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase, lintles, retaining walls, return walls, walls (any thickness) including attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc., including cost of all materials, labour, HOM of machinery, curing, complete as per specifications						
	Pathway						
	Pre-measurement Recorded on: 04/01/23						
	B/W CH. 0.00 & 15.00 (For Concrete)						
		1	2.50	4.20	0.200	2.10	
	B/W CH. 0.00 & 15.00 (For Concrete)						
		1	2.50	4.20	0.200	2.10	
	B/W CH. 150.0 & 158.0 (For Concrete)						
		1	2.00	4.20	0.200	1.68	
	B/W CH. 167.90 & 182.90 (For Concrete)						
		1	2.50	4.20	0.200	2.10	
	Total					**7.98**	Cum

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SL No	Description Of Work	No	Length	Bredth	Depth	Qty	Unit
	Pre-measurement Recorded on:						
EI-3	Providing and laying in position reinforced cement concrete of design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70cum and fine aggregtes @ 0.47cum, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase, lintles, retaining walls, return walls, walls (any thickness) including attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc., including cost of all materials, labour, HOM of machinery, curing, complete as per specifications						
	Pathway						
	Pre-measurement Recorded on: 07/01/23						
	B/W CH. 813.8 & 844.80 (For Concrete)						
		1	3.40	4.20	0.200	2.86	
	B/W CH. 854.5 & 870.0 (For Concrete)						
		1	3.50	4.20	0.200	2.94	
	B/W CH.2775 & 2780.0 (For Concrete)						
		1	2.50	4.20	0.200	2.10	
	Total					**7.90**	Cum

Contractor | Consultant | Assistant Engineer Lakes,BBMP | Asst Executive Engineer Lakes ,BBMP

10/11/22

	Pre-measurement Recorded on:						
EI-4	Providing and laying in position reinforced cement concrete of design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70cum and fine aggregtes @ 0.47cum, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase, lintles, retaining walls, return walls, walls (any thickness) including attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc., including cost of all materials, labour, HOM of machinery, curing, complete as per specifications						
	Labour Quarters						
	up to plinth level						
	Foundation Wall	1	13.69	0.30	1.10	4.52	
		1	11.06	0.30	1.10	3.65	
		3	5.26	0.30	1.10	5.21	
		1	4.06	0.30	1.10	1.34	
		2	2.33	0.30	1.10	1.54	
	Total					**16.25**	Cum

Contractor | Consultant | Assistant Engineer Lakes,BBMP | Asst Executive Engineer Lakes ,BBMP

10/11/22

SL No	Description Of Work	No	Length	Bredth	Depth	Qty	Unit
	Pre-measurement Recorded on:						
EI-4	Providing and laying in position reinforced cement concrete of design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70cum and fine aggregtes @ 0.47cum, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase, lintles, retaining walls, return walls, walls (any thickness) including attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc., including cost of all materials, labour, HOM of machinery, curing, complete as per specifications						
	Labour Quarters						
	above ground level						
	Foundation Wall	1	13.69	0.30	0.60	2.46	
		1	11.06	0.30	0.60	1.99	
		3	5.26	0.30	0.60	2.84	
		1	4.06	0.30	0.60	0.73	
		2	2.33	0.30	0.60	0.84	
	Total					**8.87**	Cum

Contractor | Consultant | Assistant Engineer, Lakes,BBMP | Asst Executive Engineer, Lakes ,BBMP

SL No	Description Of Work	No	Length	Bredth	Depth	Qty	Unit
	Pre-measurement Recorded on:						
EI-4	Providing and laying in position reinforced cement concrete of design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70cum and fine aggregtes @ 0.47cum, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase, lintles, retaining walls, return walls, walls (any thickness) including attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc., including cost of all materials, labour, HOM of machinery, curing, complete as per specifications						
	Labour Quarters						
	For Lintels						
	Bathroom	1	2.78	0.15	0.20	0.08	
		1	1.65	0.15	0.15	0.04	
	Total					**0.12**	Cum

Contractor | Consultant | Assistant Engineer, Lakes,BBMP | Asst Executive Engineer, Lakes ,BBMP

SL No	Description Of Work		No	Length	Bredth	Depth	Qty	Unit
	Pre-measurement Recorded on:							
EI-4	Providing and laying in position reinforced cement concrete of design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70cum and fine aggregtes @ 0.47cum, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase, lintles, retaining walls, return walls, walls (any thickness) including attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc., including cost of all materials, labour, HOM of machinery, curing, complete as per specifications							
	Labour Quarters							
	Roof beam							
		B1	2	13.54	0.15	0.60	2.44	
		B2	4	3.25	0.15	0.60	1.17	
			4	2.70	0.15	0.60	0.97	
	For roof		1	3.34	14.74	0.125	6.15	
			1	3.91	14.75	0.125	7.21	
	OHT slab		1	1.828	1.828	0.1252	0.42	
	Total						**18.36**	Cum

Contractor | Consultant | Assistant Engineer Lakes,BBMP | Asst Executive Engineer Lakes ,BBMP

	Pre-measurement Recorded on:						
EI-5	Providing and constructing load bearing wall with solid concrete blocks of size 400 x 150 x 200mm having block density not less than 1800kg/m3 having a minimum average compressive strength of 5.00 N/mm2 confirming to IS 2185 (Part 1):2005 and constructed with CM 1:4, as per IS 2572:2005 including cost of all materials labour charges, scaffolding, curing, hire charges of machineries etc., complete as per specifications.						
	Hume Pipes						
		Chamber(2*3)	6	0.90		0.60	3.24
			6	0.60		0.60	2.16
	Total						**5.40** Sqm

Contractor | Consultant | Assistant Engineer Lakes,BBMP | Asst Executive Engineer Lakes ,BBMP

SL No	Description Of Work		No	Length	Bredth	Depth	Qty	Unit
	Pre-measurement Recorded on:							
EI-6	Providing and constructing load bearing wall with solid concrete blocks of size 400 x 150 x 200mm having block density not less than 1800kg/m3 having a minimum average compressive strength of 5.00 N/mm2 confirming to IS 2185 (Part 1):2005 and constructed with CM 1:4, as per IS 2572:2005 including cost of all materials labour charges, scaffolding, curing, hire charges of machineries etc., complete as per specifications.							
	Labour Quarters							
	Walls (2.75+3.5)/2		1	13.54		3.125	42.31	
			3	5.41		3.125	50.72	
			1	4.06		3.125	12.69	
			1	2.48		3.125	7.75	
			1	1.24		2.25	2.79	
	OHT slab		1	1.828		0.60	1.10	
							117.36	
	Deduction							
	Doors	D	2	1.00		2.10	4.20	
		D1	2	0.90		2.10	3.78	
	Windows	W	2	1.50		1.35	4.05	
		W1	4	1.20		1.35	6.48	
		W2	1	0.75		0.60	0.45	
		V	2	0.60		0.60	0.72	
	Lintels							
	Bathroom		1	2.78		0.20	0.56	
			1	1.65		0.15	0.25	
							20.48	
	Total						**96.87**	Sqm

Contractor | Consultant | Assistant Engineer Lakes,BBMP | Asst Executive Engineer Lakes ,BBMP

	Pre-measurement Recorded on:							
EI-7	Providing and constructing load bearing wall with solid concrete blocks of size 400x100x200mm having block density not less than 1800kg/m3 having a minimum average compressive strength of 5.00 N/mm2 confirming to IS 2185(Part 1):2005 and constructed with CM1:4,as per IS2572:2005 including cost of all materials labour charges,scaffolding, curing, hire charges of machineries etc., complete as per specifications.							
	Shoulder Drains							
	Pre-measurement Recorded on: 09/11/22							
	B/W CH. 0.00 & 180.00	bed	9	2.20		0.200	3.96	
		sides	18	2.20		0.200	7.92	
	B/W CH. 180.00 & 300.00	bed	6	2.20		0.200	2.64	
		sides	12	2.20		0.200	5.28	
	B/W CH. 300.00 & 480.00	bed	9	2.20		0.200	3.96	
		sides	18	2.20		0.200	7.92	
	Total						**31.68**	Sqm

Contractor | Consultant | Assistant Engineer Lakes,BBMP | Asst Executive Engineer Lakes ,BBMP

SL No	Description Of Work	No	Length	Bredth	Depth	Qty	Unit
	Pre-measurement Recorded on:						
EI-7	Providing and constructing load bearing wall with solid concrete blocks of size 400x100x200mm having block density not less than 1800kg/m3 having a minimum average compressive strength of 5.00 N/mm2 confirming to IS 2185(Part 1):2005 and constructed with CM1:4,as per IS2572:2005 including cost of all materials labour charges,scaffolding, curing, hire charges of machineries etc., complete as per specifications.						
	Shoulder Drains						
	Pre-measurement Recorded on: 17/11/22						
	B/W CH. 480.00 & 780.00 bed	15	2.20		0.200	6.60	
	sides	30	2.20		0.200	13.20	
	B/W CH. 780.00 & 1100.00 bed	16	2.20		0.200	7.04	
	sides	32	2.20		0.200	14.08	
	B/W CH.1100.00 & 1260.00 bed	6	2.20		0.200	2.64	
	sides	12	2.20		0.200	5.28	
	Total					**48.84**	Sqm

Contractor Consultant Assistant Engineer Lakes,BBMP Asst Executive Engineer Lakes ,BBMP

	Pre-measurement Recorded on:						
EI-7	Providing and constructing load bearing wall with solid concrete blocks of size 400x100x200mm having block density not less than 1800kg/m3 having a minimum average compressive strength of 5.00 N/mm2 confirming to IS 2185(Part 1):2005 and constructed with CM1:4,as per IS2572:2005 including cost of all materials labour charges,scaffolding, curing, hire charges of machineries etc., complete as per specifications.						
	Pre-measurement Recorded on: 22/11/22						
	near kalyani						
	B/W CH. 450.00 & 90.00 bed	15	2.20		0.200	6.60	
	sides	30	2.20		0.200	13.20	
	B/W CH.1750.00 & 2200.00bed	22	2.20		0.200	9.68	
	sides	44	2.20		0.200	19.36	
	B/W CH. 2400.00 & 2700 bed	20	2.20		0.200	8.80	
	sides	40	2.20		0.200	17.60	
	Total					**75.24**	Sqm

Contractor Consultant Assistant Engineer Lakes,BBMP Asst Executive Engineer Lakes ,BBMP

	Pre-measurement Recorded on:						
EI-8	Providing and constructing load bearing wall with solid concrete blocks of size 400x100x200mm having block density not less than 1800kg/m3 having a minimum average compressive strength of 5.00 N/mm2 confirming to IS 2185(Part 1):2005 and constructed with CM1:4,as per IS2572:2005 including cost of all materials labour charges,scaffolding, curing, hire charges of machineries etc., complete as per specifications.						
	Labour Quarters						
	Toilet	1	1.1		3.00	3.30	
		1	2.1		3.00	6.30	
						9.60	
	Deductions D2	2	0.75		2.10	3.15	
	Lintels D2	2	1.05		0.15	0.32	
						3.47	
	Total					**6.14**	Sqm

Contractor Consultant Assistant Engineer Lakes,BBMP Asst Executive Engineer Lakes ,BBMP

SL No	Description Of Work	No	Length	Bredth	Depth	Qty	Unit
	Pre-measurement Recorded on:						
EI-9	KSRB 2-3:Filling available excavated earth (excluding rock) in sides of foundations and profile correction in layers not exceeding 20 cms. in depth, compacting each deposited layer by ramming after watering with a lead up to 50 m. and lift up to 1.5 m. including cost of all labour complete as per specifications (PWD BCSR 2018-19,P-6,I-2.10)						
	Labour Quarters						
	Rooms	2	5.08	5.26	0.60	32.06	
		1	1.43	2.33	0.60	2.00	
		1	2.03	2.33	0.60	2.84	
	Total					**36.90**	Cum

Contractor Consultant Assistant Engineer Lakes,BBMP Asst Executive Engineer Lakes ,BBMP

	Pre-measurement Recorded on:						
EI-10	Providing casing embankment using semi-pervious soil from approved burrow areas in layers of 250 to 300 mm before compaction including cost of all materials, machinery, labour all other operations such as excavation, sorting out, trasportation, spreading soil to specified thickness, breaking clods, sectioning, watering, compacting to density control of not less than 95 percent using power roller, etc., **1 KM LEAD FOR CONVEYANCE OF SOIL. (Hoskote Gravel)**						
	Pathway						
	Chainage 0-15.00	1	15.00	4.20	0.20	12.60	
	15.00-30.00	1	15.00	4.20	0.20	12.60	
	30.00-45.00	1	15.00	4.20	0.20	12.60	
	45.00-60.00	1	15.00	4.20	0.20	12.60	
	60.00-75.00	1	15.00	4.20	0.20	12.60	
	75.00-90.00	1	15.00	4.20	0.20	12.60	
	90.00-105.00	1	15.00	4.20	0.20	12.60	
	105.00-120.00	1	15.00	4.20	0.20	12.60	
	120.00-135.00	1	15.00	4.20	0.20	12.60	
	135.00-154.00	1	19.00	4.20	0.20	15.96	
	173.8-180.00	1	6.20	4.20	0.20	5.21	
	180.00-195.00	1	15.00	4.20	0.20	12.60	
	195.00-210.00	1	15.00	4.20	0.20	12.60	
	210.00-225.00	1	15.00	4.20	0.20	12.60	
	225.00-240.00	1	15.00	4.20	0.20	12.60	
	240.00-255.00	1	15.00	4.20	0.20	12.60	
	255.00-270.00	1	15.00	4.20	0.20	12.60	
	270.00-285.00	1	15.00	4.20	0.20	12.60	
	285.00-300.00	1	15.00	4.20	0.20	12.60	
	300.00-315.00	1	15.00	4.20	0.20	12.60	
	315.00-330.00	1	15.00	4.20	0.20	12.60	
	330.00-345.00	1	15.00	4.20	0.20	12.60	
	345.00-360.00	1	15.00	4.20	0.20	12.60	
	Total					**285.77**	Cum

Contractor Consultant Assistant Engineer Lakes,BBMP Asst Executive Engineer Lakes ,BBMP

SL No	Description Of Work	No	Length	Bredth	Depth	Qty	Unit
EI-10	Providing casing embankment using semi-pervious soil from approved burrow areas in layers of 250 to 300 mm before compaction including cost of all materials, machinery, labour all other operations such as excavation, sorting out, trasportation, spreading soil to specified thickness, breaking clods, sectioning, watering, compacting to density control of not less than 95 percent using power roller, etc., **1 KM LEAD FOR CONVEYANCE OF SOIL. (Hoskote Gravel)**						
	Pathway						
	360.00-375.00	1	15.00	4.20	0.20	12.60	
	375.00-390.00	1	15.00	4.20	0.20	12.60	
	390.00-405.00	1	15.00	4.20	0.20	12.60	
	405.00-420.00	1	15.00	4.20	0.20	12.60	
	420.00-435.00	1	15.00	4.20	0.20	12.60	
	435.00-450.00	1	15.00	4.20	0.20	12.60	
	450.00-465.00	1	15.00	4.20	0.20	12.60	
	465.00-480.00	1	15.00	4.20	0.20	12.60	
	480.00-495.00	1	15.00	4.20	0.20	12.60	
	495.00-510.00	1	15.00	4.20	0.20	12.60	
	510.00-525.00	1	15.00	4.20	0.20	12.60	
	525.00-540.00	1	15.00	4.20	0.20	12.60	
	540.00-555.00	1	15.00	4.20	0.20	12.60	
	555.00-570.00	1	15.00	4.20	0.20	12.60	
	570.00-585.00	1	15.00	4.20	0.20	12.60	
	585.00-600.00	1	15.00	4.20	0.20	12.60	
	600.00-615.00	1	15.00	4.20	0.20	12.60	
	615.00-630.00	1	15.00	4.20	0.20	12.60	
	630.00-645.00	1	15.00	4.20	0.20	12.60	
	645.00-660.00	1	15.00	4.20	0.20	12.60	
	660.00-675.00	1	15.00	4.20	0.20	12.60	
	675.00-690.00	1	15.00	4.20	0.20	12.60	
	690.00-705.00	1	15.00	4.20	0.20	12.60	
	705.00-720.00	1	15.00	4.20	0.20	12.60	
	720.00-735.00	1	15.00	4.20	0.20	12.60	
	735.00-750.00	1	15.00	4.20	0.20	12.60	
	750.00-765.00	1	15.00	4.20	0.20	12.60	
	765.00-780.00	1	15.00	4.20	0.20	12.60	
	780.00-795.00	1	15.00	4.20	0.20	12.60	
	795.00-810.00	1	15.00	4.20	0.20	12.60	
	810.00-825.00	1	15.00	4.20	0.20	12.60	
	825.00-844.80	1	19.80	4.20	0.20	16.63	
	Total					**407.23**	Cum

Contractor | Consultant | Assistant Engineer Lakes,BBMP | Asst Executive Engineer Lakes ,BBMP

Sl. No	Description Of Work	No	Length	Bredth	Depth	Qty	Unit
EI-10	Providing casing embankment using semi-pervious soil from approved burrow areas in layers of 250 to 300 mm before compaction including cost of all materials, machinery, labour all other operations such as excavation, sorting out, trasportation, spreading soil to specified thickness, breaking clods, sectioning, watering, compacting to density control of not less than 95 percent using power roller, etc., **1 KM LEAD FOR CONVEYANCE OF SOIL. (Hoskote Gravel)**						
	Pathway						
	858.00-875.00	1	17.00	4.20	0.20	14.28	
	875.00-890.00	1	15.00	4.20	0.20	12.60	
	890.00-905.00	1	15.00	4.20	0.20	12.60	
	905.00-920.00	1	15.00	4.20	0.20	12.60	
	920.00-935.00	1	15.00	4.20	0.20	12.60	
	935.00-950.00	1	15.00	4.20	0.20	12.60	
	950.00-965.00	1	15.00	4.20	0.20	12.60	
	965.00-980.00	1	15.00	4.20	0.20	12.60	
	980.00-995.00	1	15.00	4.20	0.20	12.60	
	995.00-1010.00	1	15.00	4.20	0.20	12.60	
	1010.00-1025.00	1	15.00	4.20	0.20	12.60	
	1025.00-1040.00	1	15.00	4.20	0.20	12.60	
	1040.00-1055.00	1	15.00	4.20	0.20	12.60	
	1055.00-1070.00	1	15.00	4.20	0.20	12.60	
	1070.00-1085.00	1	15.00	4.20	0.20	12.60	
	1085.00-1100.00	1	15.00	4.20	0.20	12.60	
	1100.00-1110.00	1	10.00	4.20	0.20	8.40	
	1110.00-1125.00	1	15.00	4.20	0.20	12.60	
	1125.00-1140.00	1	15.00	4.20	0.20	12.60	
	1140.00-1155.00	1	15.00	4.20	0.20	12.60	
	1155.00-1170.00	1	15.00	4.20	0.20	12.60	
	1170.00-1185.00	1	15.00	4.20	0.20	12.60	
	1185.00-1200.00	1	15.00	4.20	0.20	12.60	
	Total					**287.28**	Cum

Contractor | Consultant | Assistant Engineer Lakes,BBMP | Asst Executive Engineer Lakes ,BBMP

SL No	Description Of Work	No	Length	Bredth	Depth	Qty	Unit
EI-10	Providing casing embankment using semi-pervious soil from approved burrow areas in layers of 250 to 300 mm before compaction including cost of all materials, machinery, labour all other operations such as excavation, sorting out, trasportation, spreading soil to specified thickness, breaking clods, sectioning, watering, compacting to density control of not less than 95 percent using power roller, etc., **1 KM LEAD FOR CONVEYANCE OF SOIL. (Hoskote Gravel)**						
	Pathway						
	1200.00-1215.00	1	15.00	4.20	0.20	12.60	
	1215.00-1230.00	1	15.00	4.20	0.20	12.60	
	1230.00-1245.00	1	15.00	4.20	0.20	12.60	
	1245.00-1260.00	1	15.00	4.20	0.20	12.60	
	1260.00-1275.00	1	15.00	4.20	0.20	12.60	
	1275.00-1290.00	1	15.00	4.20	0.20	12.60	
	1290.00-1305.00	1	15.00	4.20	0.20	12.60	
	1305.00-1320.00	1	15.00	4.20	0.20	12.60	
	1320.00-1335.00	1	15.00	4.20	0.20	12.60	
	1335.00-1350.00	1	15.00	4.20	0.20	12.60	
	1350.00-1365.00	1	15.00	4.20	0.20	12.60	
	1365.00-1380.00	1	15.00	4.20	0.20	12.60	
	1380.00-1395.00	1	15.00	4.20	0.20	12.60	
	1395.00-1410.00	1	15.00	4.20	0.20	12.60	
	1410.00-1425.00	1	15.00	4.20	0.20	12.60	
	1425.00-1440.00	1	15.00	4.20	0.20	12.60	
	1440.00-1455.00	1	15.00	4.20	0.20	12.60	
	1455.00-1470.00	1	15.00	4.20	0.20	12.60	
	1470.00-1485.00	1	15.00	4.20	0.20	12.60	
	1485.00-1500.00	1	15.00	4.20	0.20	12.60	
	1500.00-1515.00	1	15.00	4.20	0.20	12.60	
	1515.00-1530.00	1	15.00	4.20	0.20	12.60	
	1530.00-1545.00	1	15.00	4.20	0.20	12.60	
	1545.00-1560.00	1	15.00	4.20	0.20	12.60	
	1560.00-1575.00	1	15.00	4.20	0.20	12.60	
	1575.00-1590.00	1	15.00	4.20	0.20	12.60	
	Total					**327.60**	Cum

Contractor | Consultant | Assistant Engineer Lakes,BBMP | Asst Executive Engineer Lakes ,BBMP

SL No	Description Of Work	No	Length	Bredth	Depth	Qty	Unit
EI-10	Providing casing embankment using semi-pervious soil from approved burrow areas in layers of 250 to 300 mm before compaction including cost of all materials, machinery, labour all other operations such as excavation, sorting out, trasportation, spreading soil to specified thickness, breaking clods, sectioning, watering, compacting to density control of not less than 95 percent using power roller, etc., **1 KM LEAD FOR CONVEYANCE OF SOIL. (Hoskote Gravel)**						
	Pathway						
	1590.00-1605.00	1	15.00	4.20	0.20	12.60	
	1605.00-1620.00	1	15.00	4.20	0.20	12.60	
	1620.00-1635.00	1	15.00	4.20	0.20	12.60	
	1650.00-1665.00	1	15.00	4.20	0.20	12.60	
	1665.00-1680.00	1	15.00	4.20	0.20	12.60	
	1680.00-1695.00	1	15.00	4.20	0.20	12.60	
	1695.00-1710.00	1	15.00	4.20	0.20	12.60	
	1710.00-1725.00	1	15.00	4.20	0.20	12.60	
	1725.00-1740.00	1	15.00	4.20	0.20	12.60	
	1740.00-1755.00	1	15.00	4.20	0.20	12.60	
	1755.00-1770.00	1	15.00	4.20	0.20	12.60	
	1770.00-1785.00	1	15.00	4.20	0.20	12.60	
	1785.00-1800.00	1	15.00	4.20	0.20	12.60	
	1800.00-1815.00	1	15.00	4.20	0.20	12.60	
	1815.00-1830.00	1	15.00	4.20	0.20	12.60	
	1830.00-1845.00	1	15.00	4.20	0.20	12.60	
	1845.00-1860.00	1	15.00	4.20	0.20	12.60	
	1860.00-1875.00	1	15.00	4.20	0.20	12.60	
	1875.00-1890.00	1	15.00	4.20	0.20	12.60	
	1890.00-1905.00	1	15.00	4.20	0.20	12.60	
	1905.00-1920.00	1	15.00	4.20	0.20	12.60	
	1920.00-1935.00	1	15.00	4.20	0.20	12.60	
	1935.00-1950.00	1	15.00	4.20	0.20	12.60	
	1950.00-1965.00	1	15.00	4.20	0.20	12.60	
	Total					**302.40**	Cum

Contractor Consultant Assistant Engineer Lakes,BBMP Asst Executive Engineer Lakes ,BBMP

SL No	Description Of Work	No	Length	Bredth	Depth	Qty	Unit
EI-10	Providing casing embankment using semi-pervious soil from approved burrow areas in layers of 250 to 300 mm before compaction including cost of all materials, machinery, labour all other operations such as excavation, sorting out, trasportation, spreading soil to specified thickness, breaking clods, sectioning, watering, compacting to density control of not less than 95 percent using power roller, etc., **1 KM LEAD FOR CONVEYANCE OF SOIL. (Hoskote Gravel)**						
	Pathway						
	1965.00-1980.00	1	15.00	4.20	0.20	12.60	
	1980.00-1995.00	1	15.00	4.20	0.20	12.60	
	1995.00-2010.00	1	15.00	4.20	0.20	12.60	
	2010.00-2025.00	1	15.00	4.20	0.20	12.60	
	2025.00-2040.00	1	15.00	4.20	0.20	12.60	
	2040.00-2055.00	1	15.00	4.20	0.20	12.60	
	2055.00-2070.00	1	15.00	4.20	0.20	12.60	
	2070.00-2085.00	1	15.00	4.20	0.20	12.60	
	2085.00-2100.00	1	15.00	4.20	0.20	12.60	
	2100.00-2115.00	1	15.00	4.20	0.20	12.60	
	2115.00-2130.00	1	15.00	4.20	0.20	12.60	
	2130.00-2145.00	1	15.00	4.20	0.20	12.60	
	2145.00-2160.00	1	15.00	4.20	0.20	12.60	
	2160.00-2175.00	1	15.00	4.20	0.20	12.60	
	2175.00-2190.00	1	15.00	4.20	0.20	12.60	
	2190.00-2205.00	1	15.00	4.20	0.20	12.60	
	2205.00-2220.00	1	15.00	4.20	0.20	12.60	
	2220.00-2235.00	1	15.00	4.20	0.20	12.60	
	2235.00-2250.00	1	15.00	4.20	0.20	12.60	
	2250.00-2265.00	1	15.00	4.20	0.20	12.60	
	2265.00-2280.00	1	15.00	4.20	0.20	12.60	
	2280.00-2295.00	1	15.00	4.20	0.20	12.60	
	2295.00-2310.00	1	15.00	4.20	0.20	12.60	
	2310.00-2325.00	1	15.00	4.20	0.20	12.60	
	2325.00-2340.00	1	15.00	4.20	0.20	12.60	
	2340.00-2355.00	1	15.00	4.20	0.20	12.60	
	2355.00-2370.00	1	15.00	4.20	0.20	12.60	
	2370.00-2385.00	1	15.00	4.20	0.20	12.60	
	Total					**352.80**	Cum

Contractor | Consultant | Assistant Engineer Lakes,BBMP | Asst Executive Engineer Lakes ,BBMP

SL No	Description Of Work	No	Length	Bredth	Depth	Qty	Unit
EI-10	Providing casing embankment using semi-pervious soil from approved burrow areas in layers of 250 to 300 mm before compaction including cost of all materials, machinery, labour all other operations such as excavation, sorting out, trasportation, spreading soil to specified thickness, breaking clods, sectioning, watering, compacting to density control of not less than 95 percent using power roller, etc., **1 KM LEAD FOR CONVEYANCE OF SOIL. (Hoskote Gravel)**						
	Pathway						
	2385.00-2400.00	1	15.00	4.20	0.20	12.60	
	2400.00-2415.00	1	15.00	4.20	0.20	12.60	
	2415.00-2430.00	1	15.00	4.20	0.20	12.60	
	2430.00-2445.00	1	15.00	4.20	0.20	12.60	
	2445.00-2460.00	1	15.00	4.20	0.20	12.60	
	2460.00-2475.00	1	15.00	4.20	0.20	12.60	
	2475.00-2490.00	1	15.00	4.20	0.20	12.60	
	2490.00-2505.00	1	15.00	4.20	0.20	12.60	
	2505.00-2520.00	1	15.00	4.20	0.20	12.60	
	2520.00-2535.00	1	15.00	4.20	0.20	12.60	
	2535.00-2550.00	1	15.00	4.20	0.20	12.60	
	2550.00-2565.00	1	15.00	4.20	0.20	12.60	
	2565.00-2580.00	1	15.00	4.20	0.20	12.60	
	2580.00-2595.00	1	15.00	4.20	0.20	12.60	
	2595.00-2610.00	1	15.00	4.20	0.20	12.60	
	2610.00-2625.00	1	15.00	4.20	0.20	12.60	
	2625.00-2640.00	1	15.00	4.20	0.20	12.60	
	2640.00-2655.00	1	15.00	4.20	0.20	12.60	
	2655.00-2670.00	1	15.00	4.20	0.20	12.60	
	2670.00-2685.00	1	15.00	4.20	0.20	12.60	
	2685.00-2700.00	1	15.00	4.20	0.20	12.60	
	2700.00-2715.00	1	15.00	4.20	0.20	12.60	
	2715.00-2730.00	1	15.00	4.20	0.20	12.60	
	2730.00-2745.00	1	15.00	4.20	0.20	12.60	
	2745.00-2760.00	1	15.00	4.20	0.20	12.60	
	2760.00-2777.50	1	17.50	4.20	0.20	14.70	
	Total					**329.70**	Cum

Contractor | Consultant | Assistant Engineer Lakes,BBMP | Asst Executive Engineer Lakes ,BBMP

SL No	Description Of Work	No	Length	Bredth	Depth	Qty	Unit
EI-10	Providing casing embankment using semi-pervious soil from approved burrow areas in layers of 250 to 300 mm before compaction including cost of all materials, machinery, labour all other operations such as excavation, sorting out, trasportation, spreading soil to specified thickness, breaking clods, sectioning, watering, compacting to density control of not less than 95 percent using power roller, etc., **1 KM LEAD FOR CONVEYANCE OF SOIL. (Hoskote Gravel)**						
	Pathway						
	Near Kalyani- North	1	15.00	4.20	0.200	12.60	
		1	15.00	4.20	0.200	12.60	
		1	15.00	4.20	0.200	12.60	
		1	15.00	4.20	0.200	12.60	
		1	15.00	4.20	0.200	12.60	
	Childrens Play area- South	1	15.00	4.20	0.200	12.60	
		1	15.00	4.20	0.200	12.60	
		1	15.00	4.20	0.200	12.60	
		1	15.00	4.20	0.200	12.60	
		1	15.00	4.20	0.200	12.60	
	North Corner	1	15.00	4.20	0.200	12.60	
		1	15.00	4.20	0.200	12.60	
		1	15.00	4.20	0.200	12.60	
		1	15.00	4.20	0.200	12.60	
	Near Kalyani	1	15.00	4.20	0.200	12.60	
		1	15.00	4.20	0.200	12.60	
		1	15.00	4.20	0.200	12.60	
		1	15.00	4.20	0.200	12.60	
	Near Yoga Platform	1	15.00	4.20	0.200	12.60	
		1	15.00	4.20	0.200	12.60	
		1	15.00	4.20	0.200	12.60	
		1	15.00	4.20	0.200	12.60	
	Near Park Fencing	1	15.00	4.20	0.200	12.60	
		1	15.00	4.20	0.200	12.60	
		1	15.00	4.20	0.200	12.60	
	Near Labour quarter	1	15.00	4.20	0.200	12.60	
		1	15.00	4.20	0.200	12.60	
		1	15.00	4.20	0.200	12.60	
		1	15.00	4.20	0.200	12.60	
	Near Children Playarea	1	15.00	4.20	0.200	12.60	
		1	15.00	4.20	0.200	12.60	
		1	8.00	4.20	0.200	6.72	
	Total					**397.32**	Cum

Contractor | Consultant | Assistant Engineer Lakes,BBMP | Asst Executive Engineer Lakes ,BBMP

	Pre-measurement Recorded on:						
EI-11	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for foundations, Footings, bases of columns for mass concrete including cost of all materials, labour complete as per specifications .						
	Labour Quarters						
	Footing shuttering	2	14.59		0.30	8.75	
		2	6.76		0.30	4.06	
		4	4.18		0.30	5.02	
		4	4.36		0.30	5.23	
		2	0.53		0.30	0.32	
		2	1.43		0.30	0.86	
		2	1.43		0.30	0.86	
		2	1.13		0.30	0.68	
	Total					**25.77**	Sqm

Contractor | Consultant | Assistant Engineer Lakes,BBMP | Asst Executive Engineer Lakes ,BBMP

SL No	Description Of Work	No	Length	Bredth	Depth	Qty	Unit
	Pre-measurement Recorded on:						
EI-12	KSRB 4.9.2 Providing TMT Steel Reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications.						
	Labour Quarters						
	Refer Steel Calculation Sheet					6.02	MT

Contractor | Consultant | Assistant Engineer Lakes,BBMP | Asst Executive Engineer Lakes ,BBMP

	Pre-measurement Recorded on:						
EI-13	Removing and resetting of kerb stones						
	Pathway						
	B/W CH. 0.00 & 158.50	1	158.55			158.55	
	B/W CH. 167.90 & 844.800	2	676.90			1353.80	
	B/W CH. 854.500 & 1140.00	2	281.90			563.80	
	B/W CH. 1170.00 & 1605.00	2	435.00			870.00	
	Total					**2946.15**	Mtr

Contractor | Consultant | Assistant Engineer Lakes,BBMP | Asst Executive Engineer Lakes ,BBMP

	Pre-measurement Recorded on:						
EI-14	Wrought iron and mild steel welded work (using angles, square bars, tees and channel grills, grating frames, gates and tree guards of any size and design etc. including cost of screens and welding rods or bolts and nuts complete fixed in position but without the cost of excavation and concrete for fixing which will be paid separately complete as per specifications.						
	Hume Pipes						
	Chamber Cover	3	0.70		0.70	1.47	kg/m
	35 kg/kg/m					**51.45**	kg.
	Total					**0.51**	Quintal

Contractor | Consultant | Assistant Engineer Lakes,BBMP | Asst Executive Engineer Lakes ,BBMP

	Pre-measurement Recorded on:						
EI-15	Providing and laying reinforced cement concrete pipe NP3 for culverts including pointing ends, and fixing collars with cement mortar 1:2 including cost of all materials, labour, curing, including cost of materials, labour, HOM complete as per specifications 450 mm. dia						
	Hume Pipes						
	Pipe line	3	10.00			30.00	
	Total					**30.00**	Mtr

Contractor | Consultant | Assistant Engineer Lakes,BBMP | Asst Executive Engineer Lakes ,BBMP

SL No	Description Of Work	No	Length	Bredth	Depth	Qty	Unit
	Pre-measurement Recorded on:						
EI-16	Providing and constucting pithcing / Revetment of 30 cm thick on slopes using granite /basalt/trap/stones of surface area not less than 0.04 sqm and wedged with spalls including cost of all materials, labour, HOM etc., complete as per specification.						
	Hume Pipes						
	Length	3	1.50		2.00	9.00	
	Total					**9.00**	Sqm

Contractor Consultant Assistant Engineer Lakes,BBMP Asst Executive Engineer Lakes ,BBMP

	Pre-measurement Recorded on:						
EI-17	Fabricating, providing and erecting in poiston of M.S. Ornamental security Grill Gate without hot dip using 75 x 12mm M S Flat for alround frame work with verticals at the centre and horizontal centere support M S Square of 20 x20 mm of different heights as shown in the drawing are to be fixed at 16 cms C/C for square bars of full height and at 8cms C / C for bottom rods providing ornamental C I Designers at the bottom and C I arrows in the midle and top. The entire frame work is to be fixed by means of expansion bolts to the brick pillars with necesary drilling holes. the work includes providing two coats of enamel painting over one coatr of red lead ready mix primer coat etc complete cost of all labour, painting, erection charges using hoist pulleycranes with all lead and lift, loading, transporting and unloading using hoist pulley cranes, scaffolding charges and all other incidental charges required for successful completion fo the work as per specification and drawings.						
	Labour Quarters						
	D1	1	0.90		2.10	1.89	Sqm
	50 kg/sqm					**1.89**	kgs
	Total					**94.50**	Sqm

Contractor Consultant Assistant Engineer Lakes,BBMP Asst Executive Engineer Lakes ,BBMP

	Pre-measurement Recorded on:						
EI-18	Providing and fixing engineered wood door frame fabricated using Wood Plastic Composites profiles (WPC) of cross section 75 mm X 125mm with a density of 1250-1300 kg/m3, resistant to water, termite, fungal and UV, using four numbers of L shaped MS or plastic clamps at the corners of the frame to fix it firmly to form a rectangular shape door frame and provided with six numbers of 260mmx25mmx5mm size z shaped MS flat hold fasts for fixing the door frame in the wall and the material and process for manufacturing the door frame confirming to Designs andSpecification including all costs of labour, materials, fabrication, assembling, transportation, erection, incidental and unforeseen charges complete as per the directions of the engineer in charge of the work, but excluding the cost of fixtures and painting.						
	Labour Quarters						
	Doors D1(1*2)	2			1.05	2.10	
		2			2.10	4.20	
	D2(2*2)	4			0.90	3.60	
		4			2.10	8.40	
	Total					**18.30**	Mtr

Contractor Consultant Assistant Engineer Lakes,BBMP Asst Executive Engineer Lakes ,BBMP

SL No	Description Of Work	No	Length	Bredth	Depth	Qty	Unit
	Pre-measurement Recorded on:						
EI-19	Solid Panel PVC door Shutter: Providing & fixing 30mm thick factory made rigid foam Panelled Door Shutters made from M.S. tube of 19 gauge thickness, size 19x19mm for styles and 15x15mm for top & bottom rails, covered with heat moulded PVC channel of 5mm thick sheet & 30 x 50mm wide to form styles & 5mm thick & 75mm wide PVC Sheets for top rail, lock rail & bottom rail on either side & 5mm thick 20mm wide PVC sheet as gap insert for top rail & bottom rail, Panelling of 5mm thick PVC sheet fitted in the M.S. Frame, Sealed to the styles & rails with 5x30mm PVC sheet beading on either side & joined together with solvent cement adhesive etc., Complete as per manufacturers specification & direction of Engineer-in-charge fixed to frames with 3 nos of 75 m.m Aluminium hinges.						
	Labour Quarters						
	D2	1	0.75		2.10	1.58	
	D3	2	0.75		2.10	3.15	
	Total					**4.73**	Sqm

Contractor Consultant Assistant Engineer Lakes,BBMP Asst Executive Engineer Lakes ,BBMP

	Pre-measurement Recorded on:						
EI-20	Providing and fixing in position aluminium windows and ventilators as per approved drawings with sliding shutters using three track window frame of size 92x31.75mm bottom section 1.3mm thick, weight 1.07kg/m; sides and top sections 1.3 mm, thick, weight 0.933 kg/m.shutter frame section comprising top and bottom section of size 40mmx18mm, wall thickness 1.25mm. weight 0.417 kg./m. shutter side outer 40mmx18mm. wall thickness 1.25mm. weight 0.417 kg/m, shutter interlock section 40mmx26.7mm wall thickness 1.1 mm. thick, weight 0.469 kg/m, the shutters mounted on nylon rollers with approved quality of fixtures such as aluminium handles tower bolts etc.; providing and fixing 5.5mm. thick plain glass for shutters fitted with rubber beading all aluminium sections including cutting to required length, joints mitred subdividing the frame tenonned and rivetted, in the assembled frame, stiffened with end clips for corners, angles etc., and fixed to the walls, lintels, floor beams/cills as the case may be, with necessary steel screws, raul plugs or teak wood gatties including cutting masonry or concrete and making good the original surface using cement mortar.using aluminium section powdered coated to a minimum of 60-70 microns with exterior durable pure polyester grade powder of approved quality.						
	Labour Quarters						
	Windows W	2	1.50		1.35	4.05	
	W1	4	1.20		1.35	6.48	
	W2	1	0.75		0.75	0.56	
	V	2	0.60		0.60	0.72	
	Total					**11.81**	Sqm

Contractor Consultant Assistant Engineer Lakes,BBMP Asst Executive Engineer Lakes ,BBMP

SL No	Description Of Work	No	Length	Bredth	Depth	Qty	Unit
	Pre-measurement Recorded on:						
63	Refilling available earth around pipe lines, cables in layers not exceeding 20cms in depth, compacting each deposited layer by ramming after watering with lead upto 50m. and lift upto 1.5 m. including cost of all labour complete as per specifications.						
	Labour Quarters						
		1	275.00	0.30	0.30	24.75	
		1	80.00	0.30	0.45	10.80	
	Total					**35.55**	
						35.55	Cum

Contractor Consultant Assistant Engineer Lakes,BBMP Asst Executive Engineer Lakes ,BBMP

	Pre-measurement Recorded on:						
64	Providing stoneware gully trap 15cms x 10cms of approved quality and make fixing in M- 15 and plastering with CM 1:3 wherever necessary.(Rate includes cost of all materials, fixtures and lead).						
		3				3.00	Nos.

Contractor Consultant Assistant Engineer Lakes,BBMP Asst Executive Engineer Lakes ,BBMP

	Pre-measurement Recorded on:						
65	Providing and fixing on wall surface 4.0 kg / sq.cm H.D.P.E. rain down water pipes 110mm outer dia. approved make and brand with necessary specials like shoes, bends and offsets fixed with iron clamps, wall plugs, screws, including cost of materials, labour, complete as per specifications.						
		2	3.00			6.00	Mtr

Contractor Consultant Assistant Engineer Lakes,BBMP Asst Executive Engineer Lakes ,BBMP

	Pre-measurement Recorded on:						
66	Constructing brick masonry inspection chamber 455x610mm, and 450mm depth, (clear inside dimension) for single pipeline, using table moulded non-modular bricks of class designation 50 in cement mortar 1:5, C.I cover withframe (light duty) 455x610mm internal dimensions, total weight of cover with frame to be not less than 38 kg (weight of cover 23kg and weight of frame 15 kg) R.C.C. top slab with cement concrete M 15 with 20mm and downsize granite metal, foundation concrete M 5 with 40mm and downsize granite metal inside plastering 12mm thick with cement mortar 1:3, finish smooth with a floating coat of cement on walls and bed concrete complete as per standard design including cost of materials, labour charges, curing complete as per specifications.						
		2				2.00	Nos.

Contractor Consultant Assistant Engineer Lakes,BBMP Asst Executive Engineer Lakes ,BBMP

	Pre-measurement Recorded on:						
67	Providing and fixing unplasticised PVC pipes with working pressure 10 kg/sq.cm with pipe fittings, clips, making good the floor, including cost of all materials, labour charges, HOM and testing complete as per specifications.160mm outer dia						
	ch:0 to 30m	30				30.00	Mtr
	ch:30 to 60m	30				30.00	
	ch:60to 80m	20				20.00	
						80.00	Mtr

Contractor Consultant Assistant Engineer Lakes,BBMP Asst Executive Engineer Lakes ,BBMP